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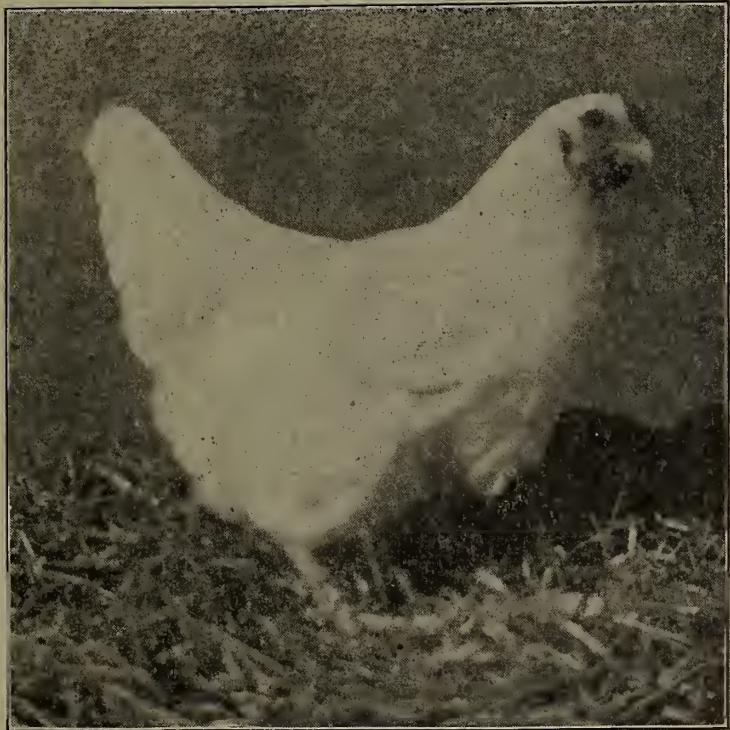
THE CARE, FEEDING AND BREEDING OF CHICKS

APRIL

U. S. Department of Agriculture

THE INDUSTRIOUS HEN

An Illustrated Monthly for
**POULTRY,
LIVE STOCK and the FARM,**



Published by the
INDUSTRIOUS HEN CO.
Knoxville, Tenn.



THE MOTHER HEN AND INCUBATOR TALK



"See that Lacing on Breast and Body."

A JONES WINNER

JONES, THE WYANDOTTE MAN OFFERS EGGS FOR HATCHING

I have the best lot of birds in my breeding pens this season that were ever owned by one breeder in this country. Clear open centers in my Silvers and Goldens; pure white, free from ticking, in my Whites. Every pen headed by a winning male with a national reputation, and many of the females have won honors at such shows as Chicago, New York, Indianapolis, St. Louis, Nashville, Tenn., etc. The same blood lines that produced the winners at more big shows the past season than any other strain in America.

The Strongest Blood Lines on Earth

This has been proven by the high per cent of winners they produce, by the heavy production of eggs. They are a combination of fancy and utility, the best all-purpose fowl in the world. Will not raise the price of eggs, better quality than you can buy for double the money elsewhere.

Silver, Golden and White Wyandottes

36 pens mated up, 12 of each, and will sell eggs at \$8 per 13, \$5 per 26, \$9 per 50, \$15 per 100.

Choice of any one pen \$5 straight—more good value for your money than you can buy of any breeder.

500 Great Big Line Bred Birds for Sale

Can mate you pairs, trios or pens and large lots, or furnish you a high class male bird that will improve your flock.

Get my handsome 36 page catalogue, illustrated in colors, a book worthy a place in any library, full of good practical poultry pointers, sent to any address for 6 cents to pay postage.

6 litters of Fashionably Bred Collies for sale.

R. E. JONES, R. F. D. No. 1, The Pines, Paducah, Ky.

Boswell's Acme White Wyandottes

THE STRAIN WITH A REPUTATION

Bred in Every State in the Union, and Recognized as the Best by those who know WHAT'S WHAT in WHITE WYANDOTTES

I have not up to this time advertised in the Southern Journals, but am going to see how game Southern Poultrymen are at buying my fine birds and eggs—which for many years have commanded discriminating patronage in the North and East.

EGGS FROM "BANG-UP" STOCK: I will sell you Eggs from birds scoring 95, 95½ and 96 points (all scores won in

the show-room, and not yard-judged), bred in line for many years for points. Price,

Fifteen Dollars per Setting

EGGS FROM UTILITY MATING: The ACME Layers have been trap-nest-bred for thirteen years. Hens and cocks first-class in color and shape, and of better exhibition quality than the average flock, though in breeding for egg production, points must in some degree be sacrificed. Price,

Three Dollars per Setting

Lots of fine Utility Pullets and Cockerels for Sale at \$3 to \$5 Each
Exhibition Birds a Matter of Correspondence

JOHN W. BOSWELL, JR.

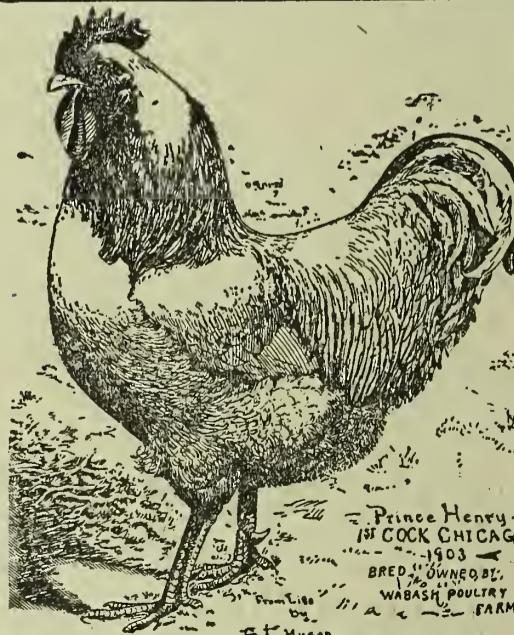
(The Man Whose Name Means Quality) EAST NASHVILLE, TENN.

"SHAW" WHITE ROCKS

Make clean sweep of all firsts and specials at Kentucky State Show, winning \$50.00 Silver Cup for best display, \$25.00 Cup for best Cock, Hen, Cockerel and Pullet, and \$10.00 gold for highest scoring pen in show (score 192 points). RECORD SCORE FOR WHITE ROCKS.

At Tennessee State Show, 1906, all ribbons but two; winning the handsome White Rock Club Specials for best cock, hen, cockerel, pullet and pen. These winnings are a repetition of our former records at Chicago, Indianapolis, Illinois State Shows and elsewhere, and prove that "Shaw" White Rocks are without a peer. Judge Hewes says: "The Best Strain of White Rocks in U. S." Judge Russell: "The Best White Rocks I Ever Handled." Matings better this season than ever. Eggs \$5 and \$3 per 15. Good breeding pens, cockerel and 6 pullets, \$15 up. Write for what you want.

Wabash Poultry Farm,
R. F. D. No. 3, PALESTINE, ILL.



Prince Henry—
1st COCK CHICAGO
1903
BRED & OWNED BY
WABASH POULTRY
FARM.
A. T. Huson

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 2

Knoxville, Tenn., April, 1906

(Whole No. 23) No. 11

POULTRY FOR PROFIT

Written in competition for the Industrious Hen Prize by Lindsay Waters, of the Short Course in Agriculture at the University of Tennessee, winning the prize, the award being made by three of Knoxville's best breeders

HERE are, broadly speaking, two classes of poultry raisers; a small class seeking pleasure only and a large class especially interested in making a success financially. It is with this latter class we are interested. In any case success with poultry depends upon a close attention to small details, the neglect of any of which will inevitably result in serious loss if not absolute failure. It is encouraging to note that people are coming to realize the fact that poultry does not thrive upon neglect any better than other classes of domestic animals, and when this is universally realized we may look for fewer failures and more successes. With a liberal use of common sense and a willingness to depart, if necessary from the ways of our ancestors poultry may be made profitable almost anywhere.

The course pursued will naturally depend upon circumstances, the most important of which is the market; but some few general statements apply to all conditions. Have pure

bred fowls but do not attempt to raise all show birds or neglect the common market. The former is impossible, the latter extravagant. It costs less to raise pure breeds than general mixtures even making allowance for the extra cost of foundation stock. This is true because the eggs are more fertile, chicks stronger, returns for feed greater, price greater, even on ordinary market, and best of all there is the opportunity to produce fancy birds to sell for good high prices. To insure the latter it is necessary to practice careful, judicious breeding and to keep the breed perfectly pure. It is absolutely necessary to bring in fresh blood at times to keep up the vitality of the fowls and though there is some danger of extravagance because of enthusiasm, still it is not well to be too "close" when we are able to get just what our flock needs. The returns will generally repay the outlay many times over.

In selecting a breed there is usually more hobby riding and prejudice than common sense used. This matter may be



The Dairy, Experiment Farm University of Tennessee, Knoxville, Tenn. S. E. Barnes in charge.

decided largely by our circumstances, but with room left to satisfy individual tastes. If the distance to market is great one of the laying breeds is the best but if the market is nearby and demands chickens at a good price one of the meat breeds may be used to advantage. In a very great many cases it has been found most profitable to use one of the general purpose breeds which may by proper feeding be made to approximate very closely either the laying or meat class.

The location for the houses should be on ground well drained, and, if possible, of such a nature that succulent crops may be raised for the chicks to feed upon.

The houses should be dry and comfortable with good ventilation but with roosting places free from draughts. The nests and perches should be easily removed and cleaned and an ample scratching place provided.

Just as the ox cart and sailing vessel have been replaced by more modern methods of travel is the old hen destined to be succeeded by the modern incubator. There are other reasons for this besides the saving of time, which is enough to justify its use. It may be "set" at the convenience of the operator and not after it has had a certain length of time to think over the matter. Hens may be made to set but those who have tried both assure us that it takes less time to make the incubator set than it does the hen. To succeed with any good incubator it is only necessary to read the directions and follow them to the remotest detail. By this means we are able to have chicks the proper age at the time the price is highest.

Chickens, like all other animals, should be fed according to their age. Until from twenty-four to seventy-two hours old they should not be fed at all. A good feed to start them is the eggs which have been tested out and boiled very hard and pulverized. Small chicks need a diet rich in protein and ash to form muscle and bone and if to be used for laying or breeding this character of diet may be continued, but if the chick is to be rushed upon the market its diet should be made gradually more fat producing and his exercise may be greatly lim-

ited. Plenty of pure water should be provided for the fowls at all times and under no circumstances must there be a scarcity of grit for this is as important to chickens as our teeth are to us.

The best time to cure diseases is before they occur. This may often be done by having good drainage, pure air and water, proper ration and plenty of grit. Powdered charcoal should be always at the chicks disposal for this cleanses the digestive tract and keeps the fowl in good condition generally. Vermin may often be prevented by clean houses, whitewashed once or twice a year with carbolic acid or salt in whitewash, and a good dust wallow. If, however, they do appear insect powders or a sheep dip should be used immediately, and, if any disease should develop, look for the cause until it is found and then work until this cause is removed; nor does it pay to hesitate to make any sacrifice necessary to be rid of the disease.

In order to make poultry profitable it is as necessary to be a good seller as it is a good producer. In order to secure prices above the market it is necessary to convince your customers that the goods are worth it. In no other business is it truer that "honesty is the best policy." See to it that your customers get what they have a right to expect. A satisfied customer is the finest of drummers while one once tricked or who believes he has been tricked may be counted upon to do you no good at best and he may do you a great deal of harm. Have boxes with your name and guarantee upon them and it need not be long before your name is sufficient guarantee to secure you more than the market price provided you never allow any but the best to bear your name.

The most important has been saved for the last: take at least one good poultry paper, advertise liberally, and hold yourself ready at all times to learn something better than you now know and practice. Be enthusiastic but not prejudiced. Do not believe or attempt to persuade men that your fowls are the best on earth—they may not be.

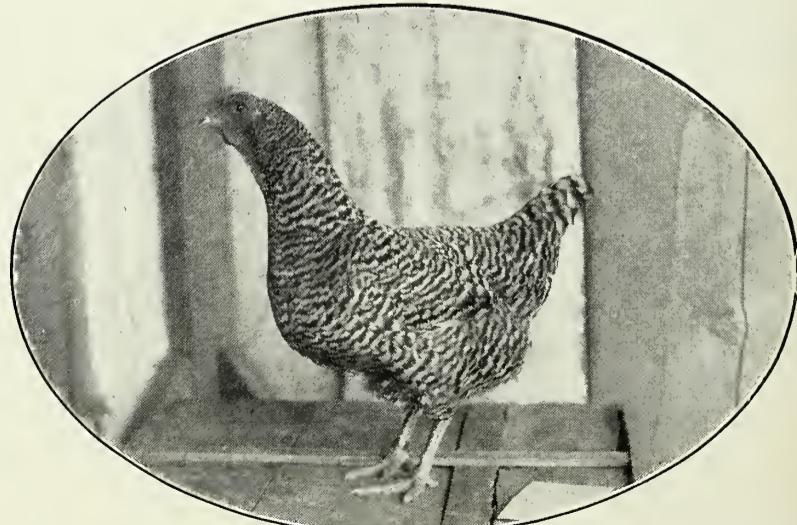
* * * BUFF WYANDOTTES FOR PROFIT * * *

FRED G. PAGE, IN AMERICAN BUFF WYANDOTTE CLUB CATALOGUE

PEARLY all who breed poultry do so for the profit they receive or expect to obtain from their work. At the time I was considering an investment in the poultry business, the question of a breed confronted me and it was only after long deliberation and a most exhaustive study that my decision rested with the Buff Wyandottes. The breed of poultry that will prove the most profitable must be the best general-purpose breed. It must be good, or above the medium, along all lines. First I considered egg production and especially as regards winter or cold weather laying. The time for eggs is when they are worth money; any old hen will lay when eggs are only worth twelve cents a dozen. A study of the origin of the Buff Wyandotte will make any honest investor admit that this breed is bred right for egg production. The Cochin cross gives us a Wyandotte much more heavily feathered than any of the other Wyandotte family. This extra protection, derived from the Cochin cross, has given us a breed ideal in size and especially adapted to endure the hardships of our cold seasons. I next considered the breed as a market fowl. It has the nice yellow skin, low blocky shape, full breast, clean yellow legs—exactly what is demanded by our best markets. I would say here that from actual experiment and records I know the Buff Wyandottes will mature more quickly and with less feed than any of the Plymouth Rock family. While beauty is in a measure of a secondary consideration, it is undeniably many times that the beauty of a breed makes customers. The Buff Wyandottes with their rich golden plumage, full breasts, rich red combs, clean yellow legs, are the most beautiful to look at, a source of many dollars from eggs

when eggs mean money, the best of mothers, especially good to stand confinement. In conclusion I will say most emphatically that the Buff Wyandotte as bred today excels any breed as a general purpose fowl. Best for eggs, best for market, best to look at, most profitable for the large or small breeder.

Many a man has his coffin covered up with flowers whose heart was breaking for a little rosebud while he was alive. If you have any bouquets, for Christ's sake send them in before the undertaker gets in the game. A dead man has about as much use for flowers as a side-saddle has for two stirrups.



A Winning Pullet, Oak Glen Poultry Farm, R. L. Cannon & Co., Bristol, Tenn.

INQUIRIES FOR STOCK

WRITTEN FOR THE INDUSTRIOS HEN BY C. R. BURNHAM

BREEDERS of poultry who advertise receive a large number of inquiries so indefinite in their nature as to require a voluminous correspondence to answer properly. Here is a sample one that is a difficult nut to crack: "Saw your ad in THE INDUSTRIOS HEN, what is the price of your stock?" This presumes that the breeder sells all his fowls at one level price. I will attempt to explain the different qualities of stock so that those who make inquiries can state definitely what they wish and for what purpose they are intended.

Utility Stock: About 50 per cent of all stock raised each year are what are called culls, simply because they have some little defect such as off color in ear lobes or plumage, stubs on legs and toes, ticks of black here and there, etc. For all practical purposes such as egg production, broilers and roasters for market these culls serve their purpose equally as well as 95 point prize winners and can generally be purchased from 75 cents to \$1.50 each.

Fair Breeding Stock: Under this class come fowls that will produce average specimens of the breed or variety. They may have little imperfections here and there but in their general make-up are fair products and typical of the variety. They can usually be had for about \$2.00 per head.

Good Breeders: Poultry to come under this head must either average very good all over or if defective in one particular must be extra good in other points and should be capable of producing exhibition stock.

There are some very good breeders that are apparently so defective in some particulars that a breeder would not think of offering to sell them even at a moderate price, yet he uses them to produce prize winners year after year. To illustrate, last year I had a Buff Wyandotte cockerel that was the proud possessor of a beef steak comb like unto an Easter bonnet and I made up my mind to send him to market but in looking over my birds one night I noticed that this cockerel had an excep-

tionally good under color and his wing was solid buff. That settled his fate, he was mated to some hens with small combs and 25 per cent of the product was prize winners. One cockerel from this mating scored 93 and won first wherever shown in 1905.

Good breeders can be generally bought for from \$3.00 to \$10.00 per head.

Next comes exhibition stock and while no reliable breeder will guarantee such stock to win yet after years of experience at shows he knows what ought to win and if you offer him enough, may be, he will sell but not always.

So, if people who inquire about prices of stock would bear in mind these different classes and state what use they intend to make of them, then the breeder can easily describe what he has in that class and at what price.

A word to the breeder, while you're giving a glowing description of the fine qualities of your birds don't forget to relate something of their defects. It may lose a sale now and then but it prevents disappointment and unpleasant correspondence. I have always made it a rule to do this and consequently have never had a bird returned.

To the purchaser: When you receive your fowls put them in a separate yard from the rest of your flock so there will be no fighting and don't form an opinion right away but remember that the poor birds have probably been on a long and tiresome journey, in cramped quarters, without food and water. They will improve wonderfully after two days rest.

The demand for thoroughbred stock in the South is unprecedented. I raised 600 head of Buff Wyandottes last season and it begins to look as though I will be sold out before April. I put my exhibition eggs at \$3.00 per setting this season and can not keep up with the orders. Have sold incubator eggs all winter; some shipped to Rhode Island, others to California; all of which proves that it pays to advertise.

THE CARE AND FEEDING OF THE CHICKS

WRITTEN FOR THE INDUSTRIOS HEN BY B. S. HORNE

ITRUST you have had a good hatch, not a 90 per cent one, such as you read about, but an average one, from 50 to 60 per cent. When the eggs begin to pip is the time to start the lamp in the brooder, watch it carefully, both the flame and the thermometer, so you can regulate the heat by the flame, be sure all ventilators are wide open. Regulating heat by the flame is not as hard as it sounds as very little practice will convince you.

Now it is going nicely at about 95 and the chicks are still arriving, better take one more look at the brooder, close the central division to keep the baby's in the one compartment and cover the floor with half inch of dry sand. Keep the chicks in the incubator not more than twelve hours after they have dried off, the sooner they get some fresh air in the brooder the better. Transfer your chicks and place them one at a time under the hover, let them severely alone, no feed, no water. In twenty-four hours you will see them all scratching and looking for food, with plenty of sand in their crops and ready for some prepared dry grain chick feed, quantity depending on number of chicks. While they are picking at the feed we will go to the house with the drinking fountain and fill it with warm water, no hurry, they don't know what water is so are not looking for it. When we get back to the brooder the chicks are looking out the window, put the fountain in one corner and teach two or three to drink, the rest will follow like sheep. Feed nothing but chick feed at intervals of three hours for a

week, they are then ready for more freedom and the partition may be lowered to the other compartment, which has been covered with sweepings from hay loft two inches deep, and a small self-feeder containing pulverized oyster shell. There is feed in this litter that chick feeds do not contain and you will see the chicks enjoy it. Renew this litter every other day and feed chick feed twice a day with a little finely chopped cabbage between times with a taste of beef scraps for dessert. Don't forget fresh warm water every morning after feeding, empty the fountain the last thing before closing up at night. If the weather is good let them out in an enclosed run from ten o'clock to three, or later depending on the season. Continue this treatment until your chicks are eight weeks old, reducing the temperature gradually when at eight weeks the hover will be warm enough without the lamp and the ventilator nearly closed. Now get them into a small colony house, which will be tight at night but with plenty of ventilation, feed three times a day whole wheat and cracked corn, and let them run. Don't forget to have crushed oyster shell and dry ground bone where they can get it all the time and if you are feeding green bone, don't forget the chicks. If there is any skim milk to spare let the chicks have it. Lastly and most important, never give little or big chicks anything to drink till after feeding and see that the chill is off the water. This is the way I do it to get strength and vigor as I do not believe in forcing anything but spring vegetables.

A SURE METHOD OF RAISING CHICKS

F. W. TAYLOR IN SUCCESSFUL POULTRY JOURNAL



NE of the main reasons why so many people give up poultry keeping in disgust, is the death of so many of the chicks. Generally the incubator or the brooder is blamed for this mortality, while the real reason is in the person who is caring for them; and the worst of it is that this death list is often the greatest where the greatest care and attention has been given. I make this statement without reserve because I have been a heavy loser of chicks in years gone by; when as far as I could see I was doing everything possible to insure just the opposite results.

Many a time have I taken so many dead chicks out of the brooders that I have been disgusted and disheartened, and promised faithfully that I would never try to raise chicks another season—only to forget all about the trouble and worries before the next season opened, and then again meeting the old obstacle. That time is passed now I am glad to say, and when we get a brood of chicks we can feel reasonably sure of raising the majority of them to six or eight weeks old, or until they roam freely for themselves. After that we only get what the hawks don't catch; and if some reader would give me some sure, feasible plan to get rid of these ruinous pests, he or she would do me a lasting kindness. I lose more chickens from hawks than from all other causes combined. I can catch rats, minks, weasels, and opossums, but I never yet succeeded in catching a hawk, though I have shot one or two in the course of ten years. Having woods all around us at intervals, hawks can and do pick up a chick when they feel inclined; and my youngsters being mostly white, they are shining marks.

But to the point. We have good, strong, well fertilized eggs, so get chicks that have life in them to begin with. When the chick leaves the shell he is abundantly supplied with a concentrated food in the shape of the yolk of the egg which he absorbed a few hours before kicking off his shell. We give plenty of time to digest this natural food by not supplying him with anything else for three days. I want you to make a note of this, Reader, if you please, if you have been losing your chicks after they got to be a week or ten days old, especially if they had bowel trouble.

If you begin feeding too soon after hatching, digestion is interrupted and this yolk instead of being entirely utilized is compressed and hardened in the chicks intestines, taking the color of old coffee grounds, fermenting, and souring the stomach to such a degree that the chick is literally poisoned. The closer the attention and feeding given, the more the danger is increased and there is only certain death for that chick. With the three days to digest this yolk in, it is consumed entirely and the whole system left in the finest condition to make use of the food you then provide.

On the evening of the third day we give a little of the old standby—egg and breadcrumb, beginning the morning of the fourth day with the balance of this. We have on hand rolled oats, or one of the dry chick feeds which consists of a mixture of finely cracked grains, seeds, charcoal, and grit. At the second meal on the fourth day we scatter a little of one of these on the brooder floor which has been lightly covered with grass seed or a similar litter, and leave the chicks to amuse themselves by picking up a grain now and then. In an hour or two they have nearly all learned what it is, and are beginning to hunt in the baby way for such grains as take their fancy.

We use only these two items—the oats, which we thoroughly dry in the oven for a few minutes, and then crumble a little, and the chick feed for about a week, gradually introducing finely cracked wheat and corn, aiming never to give two consecutive meals alike. By the time the chicks are a week old

they can scratch and make the litter fly in little showers; and as we never feed more than four times a day, they are eager and hungry when the time comes for a meal. In the meantime they are hunting in every corner and over and over among the litter for every last grain from the previous meal. They are too busy to think about getting sick, and their bowels not being overcharged there is nothing to irritate and cause fever which naturally brings on diarrhoea.

We carry them along on these lines and gradually introduce green food in the shape of sods if the grass be sprouted, or if very early a little spring onion tops cut fine. We do not use lettuce now as we think it is injurious in several ways. On fine days we let them out in the brooder yards, limiting them to a few minutes for the first two or three times, then to an hour or so, until at ten days old we let them run in and out as they please.

You will please notice that there is no mixing and mussing with soft feeds to be trampled over, soiled, and soured; taking up unnecessary time, trouble, and utensils; but if we have any corn meal left over from breakfast we give them a feed occasionally as a great treat, but only in this way for if we give it oftener we find them looking for that dainty and refusing the plain substantial food. Water is kept by them at all times after the first day of feeding, in an inverted tomato can placed in a saucer so that they can only dip bill in, and in cold weather we take off the chill.

This plan has been followed at home here for four seasons and I do not think we have lost a dozen chicks from bowel troubles; I do know we have raised some broods that did not give promise of existing a week when taken from the machines. Their heads are up, necks stretched out to full length, eyes bright; wings of normal length and snugly folded over the backs. When any of my readers who have raised Brown or White Leghorns by brooders read this and think about some of their experiences they may perhaps consider the experiment worth trying.

Talking about wings and wing feathers growing too fast and dragging the life out of the chick I have tried cutting them off, and also pulling them out; and for lasting results, I much prefer the latter. I take the last joint of wing, holding it firmly between the thumb and forefinger of left hand, then take the long flight feathers that are dragging, and with a sharp little jerk "yank" them out one by one. A chick that for two or three days or longer may have been meandering around doing nothing but "peep peep," will be as lively as the rest after being relieved of the drag in this way; and I do not believe it hurts them to any extent.

This dry-feeding and exercising plan saves hours of trouble as well as the chicks lives; why even the brooders are cleaned out twice as easily because the droppings are firm and round and quickly dry out so that they can be swept out with the litter. The smallest possible amount of foul odor is present, and this of itself is an important consideration when the brooder is closed at night, or in bad weather. I may say here that I use out-door brooders entirely.

To such readers as have good results with their present systems I would say, "Keep right on and don't experiment with my plans;" but to those who each season, lose half or perhaps more of the chicks hatched, I say, "Here is my plan that raises three chicks now, where we raised one before;" and I leave it to them to decide whether it is worth a trial. I feel sure that if they do, they will be agreeably surprised at the improvement found among their chicks, besides saving themselves a considerable amount of trouble and not a little worry and expense.

THE LANGSHAN

WRITTEN FOR THE INDUSTRIOS HEN BY H. C. AUSTIN

LHE first importation of Langshans to America was made in 1876 by E. A. Samuels from the Langshan hills of China. The breeders of those days remember the bitter antagonism exhibited towards them by those breeders then trying to make the Black Cochins popular, on account of their brilliant color, which secured for them the appellation of "The Black Diamonds" in poultry culture. They were used clandestinely as crosses with the Cochins both in England and America in hopes of improving the color of the plumage of the Cochins. The breeder thus working had the chagrin of seeing the Cochins character and color of shanks and feet absorbed by the Langshan instead, and in the end forcing him to acknowledge their superior strength of blood and breeding. Thus the Langshan established itself as a thoroughbred of decided type and color and maintaining decided merit as a producer of eggs, taking rank as the best layer among the varieties, if not of all other breeds. They have many admirers and those not prejudiced against the color of the skin of poultry, "it being white skin," find no fault with its merit as a meat supply. The Langshan hills of Northern China is the original home of this breed. During the seven years of its advent to 1883 when at Worcester it secured admission to the American Standard, its path was a thorny one for any breed. No breed, probably, ever had such opposition and none ever had a greater triumph in its acceptance, a petition of nearly 1,000 names accomplishing its admission.

As a general purpose fowl they are all that can be desired, laying all prejudice of color aside. I consider that there

is no flock of thoroughbred fowls as handsome as a well bred flock of Langshans in style of make-up as well as color. There was not a visitor to my yards last fall and winter but said there was the finest flock of chickens they ever saw, and many of them were breeders of other varieties. I don't think there is a breed in existence that will lay more eggs in a year than the Langshan. I have pullets that commence laying between five and six months of age, commence setting in January and the day their chicks were five weeks old two of them had commenced laying and have laid every day since and still care for their chicks; thus there are only eight weeks that they have not been laying and are raising a brood of chicks. They are excellent setters and splendid mothers, as a rule they will set wherever placed and take all the chicks you will give them.

The chicks grow off fast, averaging three pounds at three months of age, and there is no better table fowl as their meat has a fine flavor, is tender and juicy, and dresses nicely, leaving no pin feathers as supposed by those prejudiced against a black fowl.

As for crosses there is nothing equal to a Langshan cockerel to cross on common hens to get good, healthy chicks that will grow off fast and the pullets make good winter layers of strong Langshan shape, color and good laying qualities. A cockerel is worth \$5.00 to any farmer to cross with and improve his common stock as he will have from one-half to one pound more meat when his chick is five months old than he will have from his scrub cocks with the same feed.

McCULLOUGH'S POULTRY POINTERS

WRITTEN FOR THE INDUSTRIOS HEN BY PLUMMER McCULLOUGH

APRIIL is usually a very busy month for the poultryman and this year will be no exception if I think right. April is a great month for setting hens and incubators and selling eggs for hatching purposes. Many eggs will be sold this month for hatching and thousands of dollars will change hands among poultrymen and fanciers. Many eggs will be sold that will give excellent results while others will be sold that will hatch very poorly. I think sometimes a breeder has a very hard road to hoe. I really think there are some people who would not be satisfied if you would send them eggs prepaid and guarantee a good hatch. They would want you to raise the chickens for them and I don't know what else. Never find fault with a breeder unless you have good reasons. There are no two people alike and what one person would call a good bird you might call a cull. There are very few breeders that will cheat their customers, because they can not afford to do so. If they keep that kind of work up long they will be found out and will have to quit business.

If you get a bird or setting of eggs from a breeder and they don't come up to your expectations don't write him an insulting letter calling him every vulgar name you can think of. Two wrongs never make a right. Anyhow it is no credit to you to write that kind of a letter when you don't know for sure whether the breeder is to blame or not. In shipping eggs one has much to contend with. They are likely to get too close to the pipes in the train and thus start the germs, causing them not to hatch, or they get chilled in some way or get a bad jar thus preventing a fair hatch. Eggs are very liable to be handled a little roughly by the express men and the breeder has no control of this. After the eggs are delivered at the express office by the breeder he is no more responsible for them as far as handling is concerned.

I think eggs wrapped in paper, about six thicknesses and stand them on end, packing the bottom, top and sides with paper and sewing a piece of muslin over the top tight, is a very cheap and safe way to pack eggs for hatching. They should be very solid—nearly solid enough to drop six or eight feet without breaking. Let us be more friendly and not expect 15 chicks from 15 eggs. If you get half a hatch you should be well satisfied.

The hens need grit in winter whether they are laying or not. And the owner who has to buy all the feed needs grit too, and he has to have the sand to buy the feed. "There will come a time" when the owner of the flock will hear the hens advertising the fact they are laying.



Brooder House at Oak Glen Poultry Farm, R. L. Cannon & Co., Bristol, Tenn.



THE MOTHER HEN

WRITTEN FOR THE INDUSTRIOUS HEN BY DR. J. H. C. WINSTON

AS a contributor to the early numbers of THE HEN, and being heartily in sympathy with the introduction of modern methods in poultry culture in the South, I have been mightily pleased at the rapid and full success of this journal. This proves what we have thought all along, that the new South is down-to-date in spirit and is ever ready to adopt new methods if proven better than the old ones. The rapid increase in circulation of THE HEN has permitted a big increase in size and improvement in get-up, so that today it compares favorably with any poultry journal in the country.

I have feared at times that the prominence given to articles, minimizing the work of the fancier, decrying standard qualifications, and ridiculing the A. P. A. would alienate fanciers and preclude the accomplishment of the greatest good. The editorials, however, have been sane and balanced, giving credit where credit is due. We all, who know anything, who are not prejudiced, and who can raise exhibition fowls, know that the fancier is the thinker—not the market poultnerer. It is the man who breeds "to a feather" who has made and perfected our breeds, increased egg-capacity, strengthened the grow-fast tendency, given us incubators, brooders, trap-nests and made poultry profitable. Were fanciers non-existent for ten years, we would have no poultry journals, fowls would be dunghills, and the prices for poultry products of 100 years ago would return. Moreover, say what you will about the commercial spirit of the age, very few who are going in for market poultry will study and master the subject—this requires incentive. The new man, going into the business solely for money "knows how to raise chickens," he cares not a fig for the breed or individual fowl, reading poultry journals can not bring in more dollars because he knows how. Let his interest be aroused in some breed, watch him join a specialty club, subscribe to journals, breed "to a feather" and crave knowledge—he'll get it too, and succeed with it. It should be the policy of a practical poultry journal to make a fancier of every reader. I feel strongly on this point, and will develop my views at some future date, if you wish it.

[At your pleasure, Dear Doctor. Ed.]

Very few subscribers to a modern poultry journal realize that the cost of publication of a copy for a year is very much greater than the price they pay for it. This increased value to the subscriber comes from the advertiser's pocket, and thus arises the obligation of the management to the advertiser. We thus find at this season, in the different journals, hundreds of articles and reading notices of incubators and brooders—and this is all very well. Poultry machinery has its place; the widespread use of incubators and brooders is heartily to be desired, because it means the production of more and better fowls and higher prices for the products, thus increasing the income of the producer. But is this due solely to the use of these machines? A thousand times "no." It is due principally to the knowledge gained necessarily by the use of the incubator or brooder. Because their successful employment requires knowledge of care of breeding stock as well as of the chicks, I am always glad to see an incubator advertised and sold in the South; it means that the purchaser is going to know more about the methods of feeding and care of fowls, more about the different breeds. The chances are it will make a fancier and a breed specialist of him.

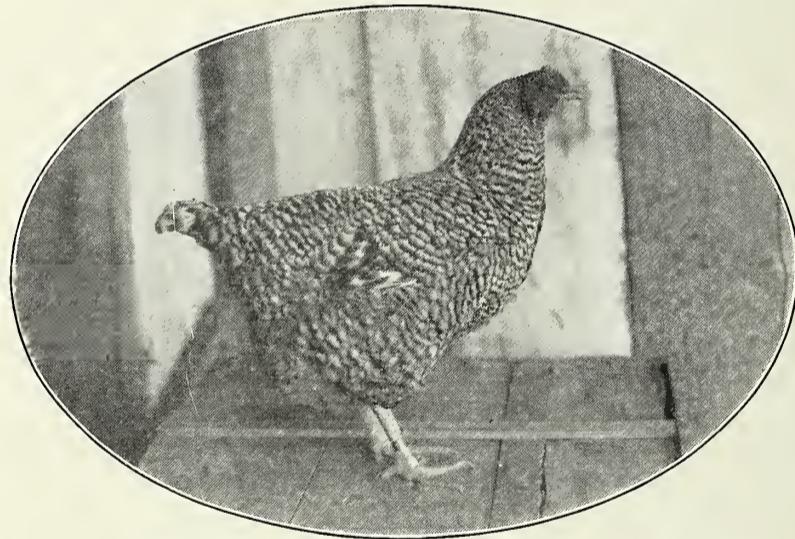
The greatest number of articles on artificial incubation and brooding as compared with the small number on the natural method quite naturally leads the average reader to think that "everybody works (an incubator) but father." I feel quite safe in making the statement that less than one-tenth of the readers of THE HEN own an incubator, so the

reader can be reassured by the knowledge that he is not necessarily a "lost soul"—I wish, however, for the reasons stated above, that every poultry raiser ran an incubator and brooder. This distortion of proportion in poultry literature results primarily from the large sums of money spent by the manufacturer in advertising, but also from the facts that the artificial methods are comparatively new, that more information is required by the user, and that, intrinsically, for some purposes, these methods possess advantages over the natural ones.

Believing that some information regarding natural methods is due the great majority of the readers, who use these methods exclusively at the present time, I wish to state those methods that have given me the fullest satisfaction.

In order to have early setters, and thus early chicks, it is necessary to have early-hatched pullets, or else early-moulted hens. As early-hatched pullets must come from early chicks the cycle is best started with the hens. In June or July, partially starve a lot of hens for two weeks, and then feed heavily on rich foods containing much sunflower seed, oil meal, etc. This gives you fall layers and early setters. These hens will moult early the following summer, the pullets will set early and you can raise all the early chicks you desire.

It is best to have a separate room for the setters, but if you haven't it use the one for layers. Get some long store boxes, take the top off and put in partitions making two or



A Cockerel Bred Pullet, Oak Glen Poultry Farm, R. L. Cannon & Co., Bristol, Tenn.

three nests of fair size. Set the box down on side and nail strips at top and bottom, about half-closing the opening. Nail a third strip, of sufficient size to half close the remaining opening, with a wire nail, loosely, at one end, having a slot for the other end to drop into, when the strip is in place. This serves as a door. Have the box face the dark side of the house, put in each nest a shovelful of loose earth, hollow it out slightly, put in a handful of pine tags or straw, and a handful of tobacco dust or stems, and you are ready. In warm weather have top of box slatted. When a hen becomes broody, take her from her nest at night, put her in one of the "setting nests" with a china egg or two, shut her up, and hang a piece of burlap bagging in front. If she is all right in the morning, dust her well with some strong insect powder, and give her a set of eggs. Dust her once a week and sprinkle powder over the eggs. When the hatch is over dust her and the chicks well—this pays. Once a day, drive the laying hens out, put water, corn and wheat in the house, open the nest, see that the hen comes off the nest, and leave her for fifteen or twenty minutes; then see that she goes back and shut her up. Occasionally, let her out-of-doors to get grass. Using

this method I can care for 10 setters in 20 minutes and get a 20 per cent better hatch than with the best of half a dozen incubators I have used.

The following method of natural brooding I have found ideal. Were it not for the fact that every year I sell more of my breeding birds than I should, I do not think I would ever use another brooder. It has every advantage of the brooder, and these points of superiority cheaper in first cost and in operation, raises more chicks, saves a number of chicks from hawks (our great curse here), and precludes the anxiety and loss from a smoking lamp. It can be used with incubator chicks, as a broody hen of a few days is glad to quit the nest if she is given a few chicks in the nest over night.

Make a small low house, say 5 or 6 feet square, four feet high in front and two and one-half feet in rear. A large dry goods box, covered with roofing paper with a door and window put in, serves the purpose well. Surround the house with a small yard of three or four inch wire netting, six feet high, with a gate, of course. The whole system is cheaper than a good brooder. Place in this system three or four of the hens which have finished hatching, or the broody ones treated as above indicated, with 50 to 75 chicks. The hens may have a tilt occasionally during the day, but at night when the chicks

need the heat you will find them all hovering close together, concentrating their heat, and practically doubling their hover capacity. Every chick belongs to all the hens. Of course lice will have to be kept down with spraying and powder. Try these methods and you will find that they are not excelled by the artificial ones in economy of time or money—or in results.

As I was finishing up this article the March HEN was brought in to me and I can not resist adding a postscript to subscribe to Mrs. Langford's sentiments and add an illustration of the market value of a S. C. Rhode Island Red hen bred "for the fancy." This hen came to me in a \$50.00 trio, four years ago, being a distinguished winner. A cut of her has been shown in the HEN. She has been trap-nested from the first, and has ever been a heavy layer. From November 1st last to March 10th, when she became broody, she laid 82 eggs. I put her in a pen to break her up, and March 16th she dropped an egg. She is now—March 20th—at work again. I do not believe any other breed can parallel this case in a five year old hen. The out-bred origin, the red color, a color characteristic of the strong, the rigorous environment in which the breed was conceived, the preponderance of Red Malay blood have combined to give this unexcelled vigor.

WORTH STUDYING

WRITTEN FOR THE INDUSTRIOUS HEN BY H. E. BRANCH

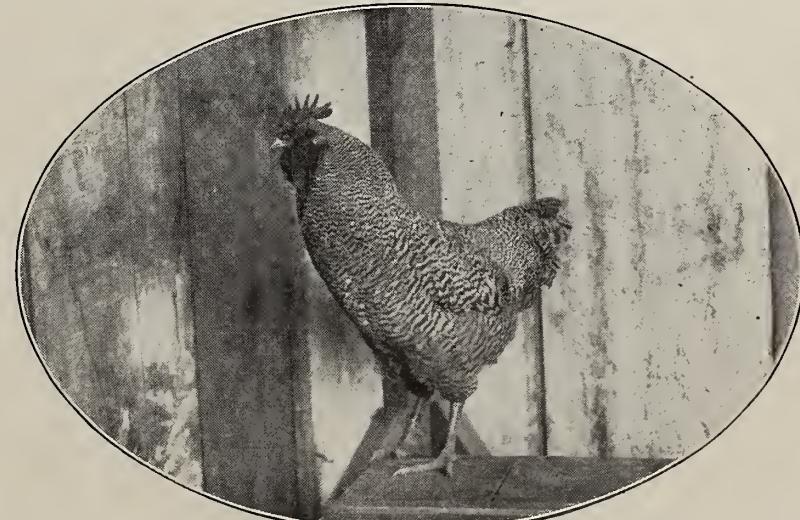
 HE voice of the turtle will soon be heard in the land, birds and fowls seek nesting places and questions on artificial incubation vex the souls of editors. The common plaint will be, What's wrong? Eggs hatch well but the chicks dwindle and die. Mrs. Carlock, of Dadeville, a friend of mine and a woman of fine intelligence, last year used an incubator for the first time in hatching ducks and chicks. Eggs used were from her own flocks, for both incubator and hens. The hatch from the incubator was all that could be desired but chicks and ducklings were wanting in vigor and the great majority soon succumbed to climatic changes for which they were unprepared. Those hatched under her hens were vigorous and caused but little trouble. Mrs. Carlock studied incubator instructions closely and was at a loss to account for the mortality in incubator chicks. Eggs were fertile and germs vigorous as were testified to by results from hens. What was wrong?

It is my purpose to discuss incubation in a general way and leave the reader to draw his own deductions. We are told to fill the tank, light the lamp and run the incubator empty until the thermomemter marks a steady temperature of 102 degrees and this must be maintained during the hatch. We are also told how to manipulate the eggs, but uniformity of temperature is insisted upon by all incubator makers. To show the stress placed on uniform heat, one firm makes a round incubator and swears by the beard of the prophets there can be no cold corners in a round incubator.

We get all our knowledge of incubation from nature and the hen is our preceptress. Her instinct is more reliable than our wisdom. All the eggs under a hen are not kept at a uniform temperature. Those at the center of the nest are warmer than those at the outer edge. That truth is so plain it will not admit of argument. You will frequently see parts of eggs at the edge of the nest wholly exposed. When the hen "turns the eggs" she rolls them from the edge to the center of the nest. You would be afraid to handle eggs as roughly as the hen does for fear of breaking them. Set a hen in a box in your bed room and you will hear her rolling the eggs during the night. Nature's object in this is to create a shifting temperature and give the chicks action in the shell thereby stimulating circulation and vigor. Frequently the hen will stand up

in the nest allowing the air to circulate over the eggs. When she settles down to business, she does so with a rocking motion of her body that gives action to every egg under her. When the temperature gets up to 85 or 90 degrees the hen will sometimes remain off the nest two hours. The temperature of the eggs is thus reduced to nearly that of the atmosphere. In fact, I have had hens remain off all night when the hatch was well advanced and yet brought off a good clutch of healthy, vigorous chicks. Many of you, no doubt, have had the like experience.

Chicks in the shell, like plants in the gardener's frames, must be trained, hardened and qualified for the changing climatic conditions awaiting them. Action is essential to circulation and vigor. They get this in the movement of the eggs. The shifting, changing temperature caused by frequent and varying exposures schools and hardens the chicks to many climatic conditions and is in full accord with natural law. Change of temperature should not be violent but it should be frequent. Action is essential to animal vigor and vitality and the chick gets this through the rolling of the egg. A plant kept at a uniform temperature until transplanted in the open would dwindle and die like many incubator chicks, but the wise gardener will give his plants needed exposure and gradually harden them to withstand exposure in the open field.



A Winning Cockerel, Oak Glen Poultry Farm, R. L. Cannon & Co., Bristol, Tenn.



THE INDUSTRIOUS HEN

DEVOTED TO EVERY INTEREST OF THE
Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter.

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And a staff of contributors unequaled by any periodical of its class.

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The Industrious Hen is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited.

BLUE WRAPPER.

If your paper comes to you in a blue wrapper you will know your subscription has expired, and will be discontinued unless remitted for at once. Do not miss a number but renew now.

SUBSCRIPTION RATES.

Subscriptions 50c a year in advance—5c a copy—samples free. Knoxville subscriptions, 75c a year (when delivered by mail). Foreign subscriptions, \$1.00.

ADVERTISING RATES

Furnished on application. The value of *The Industrious Hen* as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertions in the issue of any month, should reach this office not later than the 25th of the month preceding.

Breeders' Plain Cards will be run at the rate of one cent per word each insertion. Numbers and initials count as words. No card taken for less than 25 cents.

The Industrious Hen reserves the right to reject any advertisement for cause.

The season is here when many of us begin to be flooded with letters complaining that the eggs bought from our advertisers have not proven fertile, not **Don't Complain.** over fifty per cent hatching. Don't be disgruntled because only eight hatched. That, I find, is a pretty fair hatch after eggs have been shipped some distance at an early season. They often do much better and sometimes very much worse.

* * *

I am informed that the proper officials are having prepared the printed matter to distribute in regard to the work of the Southern Poultry Association. This association can and will accomplish much good if the boys will all rally to the call of its officials. This I doubt not they will do. In the untangling of the already conflicting dates of many of our leading shows the executive committee has a hard task and yet by concerted action they will not only be able to arrange good circuits but will be enabled to save each association some money, as they can make a saving by having certain judges cover a given territory. Let's be patient a while and see that each one does his duty and by bearing and forbearing we shall have a unanimity that will be productive of very much good.

The tendency seems to be toward comparison shows throughout the South. Many reasons have been given for this **Tendency.** so far the chief reason given seems to be that it will expedite the placing of the awards. I believe in conforming to the wishes of the majority of the exhibitors and if they prefer a score card show it should be given them, and only men competent to do the judging employed. The Association sometimes does itself harm by being narrow and niggardly in the employing of its judge. The coming season I hope will prove that no such ideas of false economy are entertained by any of our associations.

* * *

The interest in pure bred poultry and in artificial incubation and brooding has been growing at leaps and bounds the **Growing.** present season. The incubator firms who have representatives in the South have been crowded to the limit to fill their orders, and the chick feed men are finding their orders multiplying and duplicating at an astonishing rate, while those who manufacture supplies and insecticides are not forgotten. As to the poultrymen they have found ready sale at good prices for all stock they could spare and I know of several who have allowed themselves to sell out entirely too close and the egg order business is keeping them busy. The prospects for a season of such success as has not been vouchsafed the poultrymen of the South before are very bright.

* * *

A poultry paper should not only be an educator and carry the best information obtainable to its readers in regard to the **An Invitation.** breeding and rearing of fowls and such matters, but it should be a means of communication between the many breeders and should be full of the news of poultrydom. Every breeder loves to know what his fellow is doing and the general public, those who glance the columns of the poultry press, can be stimulated to take more interest in the business, by bright breezy notes that give the experience and the methods of those engaged in the business and no stronger argument can be presented than to show what you are doing in dollars. For this reason the editor would be more than glad to have items from each one who is engaged in the business. Do not bother about the make-up and the English and spelling. I will attend to that; that is my business.

* * *

Many letters come to my desk that say the boys are getting ready for the grand circuit next fall, and some say we are **Doing vs. Saying.** going to prove to the folks at Hagers-town that we have the birds and are planning to take it in next fall. It is all right to plan but it will be better to say *we are going* and then go. It behoves the boys to go and to carry their birds and thus put forever at rest the slurs that are so often cast on Southern birds. They only need to jostle the breeders beyond our borders to let them know that we have them and then watch the money come down after birds for the early fall shows. We have them on the climate and they appreciate it, but they do not believe that we have the gumption to breed the winners nor the nerve to show what we have. They are like the gentleman from Missouri—they have to be shown. Now, let's show them.

* * *

The season is not far off when the County Fairs will begin to be talked of and arrangements made for them. These **Poultry at County Fairs.** fairs are great gatherings and they are educational in that they let the people see what can be done by the use of pure bred stock of all kinds and enable the housewives to make display of their handiwork. One of the gravest errors is in the matter of awarding the prizes on the poultry at these same fairs. It is not an education to a poultry breeder to get any one, sometimes a man who has to be told what the breed is, to place the

awards. As in all other stock there is a certain fixed standard and that standard is the law that governs in the placing of such awards, so too with poultry. The Fair Association should employ a competent judge that he may enlighten the exhibitors. Too often a novice will enter birds at his county fair and win a premium and thus be led to believe that he has the best that there is and then sends the same bird to a show where a competent judge is employed and finds that the fowl is disqualified. The poultrymen in every community should visit the fair authorities and insist on having a good judge even if they have to bear the expense themselves. It is not too early to begin to look after these matters as I already have information that some of the fairs are looking around for good men.

* * *

The editor of *The Poultry Yard* says that his paper is the only poultry paper published devoted to poultry that is edited **Edited on** "the farm." My good brother I dislike to call a halt but have it to do. The editing of the **the Farm.**

INDUSTRIOUS HEN is done from the Experiment Farm of the University of Tennessee and the editor lives at the farm and has charge of eight of the most popular varieties of fowls. He not only has that but he has the assistance of the entire agricultural faculty in his study of the diseases of fowls and the remedies to be used to overcome them, and these professors, who are experts in their various lines, are making careful study of all the problems that concern the industry. Don't get the impression that because you are editing a paper—and a good one at that—that the editorial work on the others is done by those who are not in a position to speak with authority. Our rates are ten cents a line for reading notices, but we throw this one in free of all cost.

* * *

"Continual dropping wears the stone." So a continual effort will convince the farmer that there is more real money **Pure Bred** in the rearing of pure bred poultry than in using **Poultry.** mongrels. There are many reasons that can not be gainsaid that can be adduced to establish the truth of the assertion that pure bred fowls will add dollars to the pocketbook where the mongrel will add only dimes. The cost of keeping is the same, and the egg yield from a pure bred hen of any breed will be more than double that of the dunghill. The common hen will give you possibly sixty eggs in a year whereas the pure bred will give you from one hundred and fifty to two hundred. If you market the eggs at the same price it does not take a Solomon to see where the profit comes. Then why keep the mongrel that barely pays for her keeping? Now is a good time to get in line with the proper thing and buy some eggs from pure bred stock and thus make a start toward better poultry and more of it.

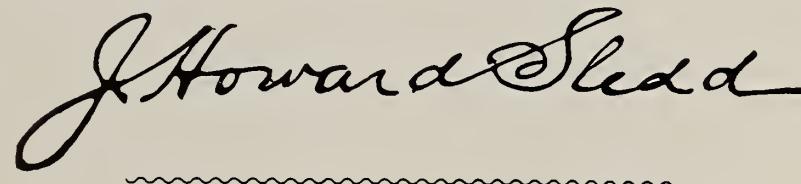
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"In preaching chickens you ought to have the hearty support of every Methodist preacher. I am not a preacher, but **Preaching.** am close kin to them. The preacher who preaches nothing but metaphysics is doing no good, but your preaching helps the whole country." I take the above from a personal letter and quote it, not to bring to mind the proverbial fondness of the preacher for fried chicken, but to try and impress a truth. The poultry industry is carried on very largely by the farmer's wives or daughters and the paper that spends its time in scientific discussions (metaphysical dissertation) can never do the same good that can and is done by the one that tries to give a plain statement of facts and these facts gathered from the actual experience of those who write. It is a cause of congratulation that the great body of our poultry papers do give plain truths, truths that fit the conditions surrounding their constituents. This **THE HEN** tries to do and if she is helping those who study her columns she is being repaid. The preachers who get this number may take it as an invitation to join the ranks of our subscribers and learn something of the nature of a real live **INDUSTRIOUS HEN.**

When the A. P. A. met in Cincinnati in January last a committee of fourteen was appointed to look to the work of changing the constitution of that Association and the forming of District Associations if found advisable. The editor of this journal was appointed as a member of that committee and will meet with it in Detroit in August. He desires to go with full information as to the wants of the Southern breeders and to that end asks that each one who sees this write him fully along the lines suggested.

* * *

Tennessee ranks thirteenth in the production of eggs and poultry according to the census of 1900. In the six years that have elapsed since that census was taken we **Help the** **Associations.** feel that she has done some pretty good stunts for she has gone from a business of about seven millions to something like ten. This progress is due very largely to the breeders of the state who have organized themselves into associations for the promoting of the industry and have by holding shows enthused the people and demonstrated the possibilities in pure bred fowls. These organizations could accomplish a great deal more for the betterment of the industry if they had more funds on which to work and it is up to the state to assist this, the largest single industry that they possess. When I say largest I mean that it brings more money into the state than any single product of the farm. It is a fact that in those states where aid has been given the Associations that it has repaid the state an hundred fold in the increased production of both poultry and eggs, and a few thousand dollars appropriated by Tennessee and expended judiciously will give large results. The columns of **THE INDUSTRIOUS HEN** are open for the opinions of her contributors along this line. Don't all speak at once.



PRACTICAL POULTRY.

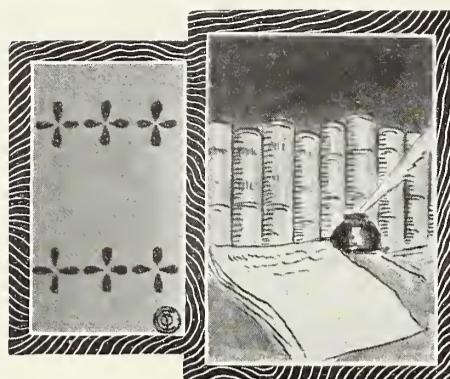
WRITTEN FOR THE INDUSTRIOUS HEN BY T. C. KARNS.

Is it not about time for breeders to make a specialty of practical poultry instead of mere fancy features? The general farmer wants eggs and meat rather than form and color. It is the same with the specialist who produces for the market. The esthetic feature is all right for fanciers, but we must remember that the main part of the poultry business is devoted to supplying the tables of the people.

If the practical features were pushed with vigor, breeders could increase their sales wonderfully. Fifty farmers will pay a fancy price for fowls of the finest egg-producing qualities to one who buys for form and color. It matters little to most buyers how the bird looks, if she is a money getter. Of course there would be no objection to the esthetic feature and where the two qualities of use and beauty can be united that is all right.

The point I wish to make is that breeders should select more for egg or meat production and constantly develop finer strains in those lines. Of course they have done much in those directions already, but have these features been put forward with the prominence that they deserve? Do we hear enough of prices according to egg producing qualities? What for instance is the price of a 200-egg hen? What is the price of stock that will produce heaviest broilers at six weeks?

I am not a specialist in poultry and may not hit the mark exactly but it seems to me that there is something along this line to think about, especially among breeders who want a large increase of business.



EDITORIAL + + + CORRESPONDENCE

The editor's journeys have not been at any great distance from his headquarters since the last issue of THE HEN, and yet he has seen and heard some things that are interesting. The most interest has centered around the Experiment Farm and in the student body who were taking the Short Course in Agriculture and listening to the poultryman in charge as he endeavored to impart such knowledge as he could to the embryo poultrymen.

With eight colony houses and an incubator-house the work has been taken up and very much interest manifested by the class. In this beginning will be found eight of the most popular breeds of fowls and a careful study is being made of their leading characteristics. They are being used for experiments in feeding for the production of eggs, and the various feeds used are grown and mixed on the farm. The incubators are being run and the development of the chick is studied from the first indication of life until the egg is pipped and the chick is liberated. The class was a painstaking one and the essay that won THE INDUSTRIOUS HEN prize appears in this issue.

Following the custom of the previous years, at the close of the Short Course in Agriculture a banquet was held at Hotel Imperial. The menu was an attractive one to those who were so fortunate as to be able to interpret its meaning, and those who did not enjoy the rich edibles set before them, by the management of the hotel, even though they could not always tell what the foods were. The menu will prove of interest and I append it:

UNBALANCED RATIONS FOR HERDERS; LONGHORNS AND SHORTHORNS.

Albuminoids on the half shell (Raw Oysters); Shredded Stover (Celery); Red Slops of Love Apples (Tomato Soup); Deep Sea Phosphates (Baked Red Snapper); Tuberous Roughage (Potatoes); Salted Plums (Olives); Sweet Ensilage (Pickles); Roast Feathered Concentrates a L'Americane (Turkey); Carbohydrates de Pomme de Terre (Mashed Potatoes); A German Appetizer, treated like last year's peach crop (Frozen Punch); The Tenderest Part of a Suckling Shorthorn (Genus Bos), (Sweet breads); Protein des Legumes (Beans and Peas); Newly Cut Soiling Crop, with Fats (Lettuce and Mayonnaise); Congealed Lacteal Fluid (Ice Cream); Oil Cake (Assorted Cakes); Casein (Cheese); Starch Wafers (Crackers); Black Liquor (Coffee); Weeds (Cigars).

After the inner man had been satisfied Prof. Chas. A. Keffer, as toast master, was very happy in his introduction of the various speakers. Dr. Ayers, the president of the University; H. A. Morgan, the director of the Experiment Farm, and Dr. Jordan, of the Academic Department, spoke to some toast, and well did they each represent the work of their departments. The Short Course men were represented by L. Waters, who made a decided hit with his humorous allusions and then L. R. Neel made the response for the full term men. And now came the most interesting part of the program for the boys, for the prizes were awarded. Here Prof. S. E. Barnes, in some happy remarks, made the awards in the departments of Dairying, Dairy Cattle, Poultry, Breeds; then Prof. M. Jacob delivered the awards in Beef Cattle, Horses, Feeds; followed

by Prof. C. A. Mooers presenting prizes on Fertilizers, Farm Crops and General Proficiency. Each award was followed by round after round of applause and it was evident that all were pleased. A merry evening, in which was given much of wisdom as well as wit, closed, and amid the downpour of rain the boys tramped back to the farm as the hour was too late for the cars.

Another pleasure that came was the visit of R. L. Cannon, of Bristol, a breeder of B. P. Rocks and White Leghorn fowls, and the senior member of the supply house of R. L. Cannon & Co. Cannon is a hustler and finding me at the farm we soon had the arrangements made and were off to see some of the Knoxville breeders. To Carter's we went and had a look at the Leghorns and the arrangements for conditioning birds and then on out to Faulkners where we were fortunate in finding John and had a good look at those Partridge Wyandottes that were so admired at the recent Knoxville show. John is breeding them up to the best and will be on the circuit. Then we were off to the Woodland Farm to see the grand aggregation of fine birds. Here we found Mrs. Bell busy with her evening's feeding, but she kindly gave us the time to show her birds and they are mated to bring results. Already she has the brooders full and the incubators going. Back to the city and a pleasant hour with Cannon and his charming wife, and this scribe was off to the farm to see about the incubators over there. And then came that evening's drive down to Joe Knott's and a look at his White Rocks. Already Joe has the young ones out and is making them grow, for Joe says I'm going to be after the boys another season sure. Then came King Walker, of Walker Bros., at Madisonville, with the report that his yards were full of promising youngsters and that it was hard to keep up with the egg orders. And Capt. T. F. Peck dropped in from his farm down on the Hiwassee, not far from Calhoun, to say that he was going into the poultry business and desired the services of the editor in laying out his plant. Capt. Peck does nothing by half-way and you may rest assured that the poultry department on that farm will be a model one. And then my old colleague, in the publishing of THE HEN, R. V. Hicks, stopped by long enough to say that THE HEN was keeping him so busy packing and shipping eggs that he did not know but that he would be forced to give all of his time to the poultry business. Hicks has the Reds and the folks have found it out.

It's been a busy time and no mistake.

Love of occupation is half the battle won in any calling. Half heated interest always is needing some lubricator that it never gets. Dollar and cent idea predominating in poultry raising is a constant brake applied on the wheels of success. Humane ideas come only where love in some form exists. Conditions that govern success in poultry raising are mainly prompted by kindness of heart that is sure to promote the comfort of the flock.

One of the best poultry foods for inducing egg production is cowpeas. They may be fed whole to adult stock or cracked for chicks. They are highly nitrogenous and are superior to corn or wheat. Another excellent poultry food is rape which may be grown on any kind of soil.



TURKEY DEPARTMENT

Practical Talk About Turkeys.

MRS. J. C. SHOFNER, EDITOR.

Now, that our flocks have all been sold off and only our breeders left, we are beginning another year's work, encouraged by the success of the past, whether good or bad was the result; if a failure begin with renewed energy; if success has crowned our labors let's try to double it in 1906.

In raising turkeys, as well as other fowls there is a great deal to be considered in mating—to know just the result of what that mating will produce, therefore if we do not use some experimental common sense, in mating up our flocks our manual labor may all be in vain.

In the fancy turkey business we must have the greatest combination of plumage, size and form. If toms are dull of color, mate to brilliant hens, and vice versa, but if possible mate as near Standard color as possible, but get all the size can be gotten, as all breeders and customers want size.

That they are now mated for best results we must manage to get all the eggs possible, with the least work. To do this I have a pen, wire netting used for construction, of about one-half acre grown up in high weeds and grass with an occasional small brush pile, also some scrubby peach trees in it. In this pen I place old barrels turned down with a few brush or weeds thrown over it to make like it is in the woods—the nativity of our famous Bronze turkeys.

To these turkey hens will go as they like some protection, and when I find they really mean business, I put a china egg in nest which induces them to stay and make this their future place of deposit for their treasure, which will be neatly covered over with the nest straw. I usually take my pencil with me and mark each egg as it is gathered, each day, and as soon as I find I have enough to set several chicken hens I put them in incubation and await madam turkeys time to set, then when she needs something to set on I let her keep the china nest egg for several days. Then probably may put a few under her if she seems quiet, but if nervous and restless I do not give her any eggs until a day or so before they begin to pip, which is on the 27th day—only giving a few to let her know that she is a mother, and that she may own them all when I have marked them as they are hatched under chicken hens by punching paddles and registering them, that I may know just which I raised most from, and how to mate up trios and pens for my customers next season.

I usually dust chicken and turkey hens well for lice when I set them, then a few days before hatching time I dust again—so as to be sure there are no lice on them, while the young ones are under them, for they surely like young blood and you will soon find it out if left on them, by losing a large per cent of them before they are two weeks old. I used to

grease them with pure lard and coal oil, but I find that the dusting powder is a great deal better, it doesn't exhaust their strength like oil.

This dusting after taken off should be kept up every ten days or two weeks, and be sure and very sure you get the powder down in between wing primary quills for there is the bed for the small white wing louse that soon saps the vitality of the young poult and he will die, and many times the owner will never know what is the matter with them. Call it leg weakness and little turkey cholera and many other names.

After 24 hours our baby turks want their first meal. This should be fine grit or sand sprinkled in basket where they are kept warm, to gain strength to keep from under their clumsy mother-turkeys feet. Then in a few hours I feed them lightly on stale bread soaked in sweet milk, but squeeze out bread pretty dry; to this I sprinkle a little fine charcoal and black pepper over it. I also like chopped onions and lettuce tops, to throw to them. I feed them on this food three or four times a day for two or three days, never neglecting water, which should be put in a fountain to prevent little ones from getting wet.

When I place the little ones with turkey hen I make a triangular pen made of three planks, about 2 feet wide. In this pen I pour about a peck of sand, and feed the little ones on this bank of sand. I keep them in this pen until they get used to the mother's call, as they never recognize mother, any more than any old rooster or chicken hen, until they are used to it. I imagine this is why a turkey hen wants her nest so far from home, and when her turks are young she tries to secrete them until they are some size.

I release my turkey hen from pen, with little ones in about two weeks, if pretty weather, after dew dries off in the morning to ramble a few hours and if little ones seem strong enough, I leave them alone until about four or five o'clock in the afternoon when I see that they come home for a nice, fresh supper of egg bread and curd set by them with some onion tops and lettuce. After supper I put them away safely in a large coop with board bottom, secure from varmints and rats. I continue this bread and curd food until a month old then I begin feeding some oats, scalded and mixed with bread and table scraps, of all kind. Having a nice supper ready every evening they will soon learn to come home about same time every day.

I never care to feed heavily for breakfast as they forage enough after I let them out, and pick up that natural food that gives bone, muscle and vitality. To feed all force feeding to young turkeys their digestive organs give out or get tired, and need that native, forage food.

One would be surprised to see a flock of young turkeys picking charcoal out of a box of ashes—it is very healthy for

them. I usually pour my wood ashes in an old tub or box where turkeys have access to them and you will soon find they have picked every particle of the charcoal out. This is also good for grown turkeys and they seem to relish it equally as much as the young ones.

Turkey Raising as an Industry.

It is stated that there were nearly 7,000,000 turkeys raised last year in the United States. If they averaged only 12 pounds each and were worth 20 cents a pound dressed, it is easy to calculate that they were well worth on the market \$16,800,000.

Tennessee is waking up to the market value of turkey meat. An exchange states that at Adams' Station, in Robertson county, a shipment of 1,000 turkeys, that averaged 18 pounds a piece was made to New York. The price paid at the shipping point was 11 cents. Three or four farmers raised this lot of turkeys and they received for them \$1,980.

A drove of bronze turkeys was shipped from Carthage to New York. This lot consisted of something more than 1,300, and averaged 26 pounds to the fowl. The shipper drew a sight draft on the New York purchaser for his bill at 12 cents a pound for the turkeys. He realized more than \$4,000 on the shipment, and a dispatch said that he, and his brother, raised every bird in the lot.

Unless one understands the art of turkey raising it is a difficult process. It is said that no other fowl is as hard to raise. While this may be true, there is no region in the world where natural conditions are more favorable for turkey raising than are possessed by East Tennessee.

As a valuable industry it should receive the attention of our people, for the prospect now is that as time passes the demand as well as the prices for turkeys are necessarily bound to increase.—*Knoxville Sentinel*.

Turkey Awards Corrected.

In making the awards for Bronze Turkeys in the recent Nashville Poultry Show, the judges in some way confused the entry number of J. J. Holman, of Murberry, Tenn., which made THE INDUSTRIOUS HEN's report award, 1st adult hen, 1st yearling hen, 2d yearling hen, 1st highest scoring pair of turkeys to David Anderson, of Joelton, Tenn., when the award should have been to J. J. Holman, of Mulberry, Tenn.

JNO. A. MURKIN, JR., Secy.
Nashville, Tenn., March, 1906.

For roup in chickens use as preventives, cleanliness, sound food and comfortable shelter. Disinfect all poultry houses with air slacked lime and once a month use a good lice powder. A two grain quinine tablet given at bed time and a little coal oil rubbed on the comb or in the nostrils makes a good remedy.

OUR FOUR-FOOTED FRIENDS



The South for Stock Raising.

The Southern States have advantages for stock raising over any other section of country. Stock of all kinds can be bred and marketed at less cost and for greater profit by farmers of the South than in any one of the great stock-raising states where this industry is pre-eminent and which has been the main source of their greatest prosperity. Had the capital and enterprise employed by the West been invested in the South, the result would have been far greater here, and the Southern States would hold pre-eminence in stock raising as they hold it in cotton growing.

The West has not even a single advantage over us in stock raising, while the advantages we have are innumerable, and impossible for them to ever possess. They can produce no crop essential to stock raising that we can not raise cheaper and of superior quality. While their forage and feed crops are confined to a few, ours include all that they can grow, and many more. While they may have more rich, fresh soil, we can produce more to the acre on our lands, with proper culture than even their experiment farms have ever been able to show. We can beat them in acreage production of corn. We have done this by almost double. We raise more clover and alfalfa to the acre. They can not compete with us in growing cowpeas, soja beans, orchard grass, Bermuda, Johnson grass, German millet and other great forage plants. We raise three to five tons of peavine hay to the acre; four to five tons of soja beans; four to seven tons of German millet, and five to eight tons of Johnson grass, while orchard grass and Bermuda afford excellent pasturage for grazing almost the year round. They feed eight months in the year and we graze our stock eight to ten months, and the months we feed, owing to our mild climate, require 25 to 40 per cent. less feed to keep our stock in good condition.

All thoroughbred stock can be raised at less cost in the South than anywhere on earth. Our race horses have proven world-beaters. Our trotters class in the front rank, while our pacers were first to lower the record below two minutes.

Tennessee beef bore off first prize at the greatest fat show exhibit ever made in America.

The South invites breeders of all kinds of stock from everywhere to come and share the benefits we offer that can be found nowhere else. And now is the time to come, while lands are cheap. The price is going up every day, but choice lands for stock raising may yet be had

at less than one-fourth their intrinsic value in desirable localities in any of the Southern States. Lands can be bought now for \$10 and \$20 that five years hence should sell for \$100 to \$250 per acre. Now is the time to take advantage of this opportunity.

With as much labor and care given the preparation of the food of live stock as is bestowed on the growth of the crop, there would be an enormous saving to farmers and a vast improvement in the stock. Many improved implements and appliances have come into use which tend to reduce the labor and cost of food preparation to a minimum, whereby farmers are enabled to carry on their work with a reduction of hired help and much more economically than under the old system. It is well known that from 300 to 1,000 bushels of carrots, turnips or beets can be grown on an acre of land, according to the fertility of the soil, the amount of manure applied, the cultivation given and the condition of the season; but it is not at all difficult to obtain 500 bushels of carrots, beets or turnips on ordinary fertile soil. For cattle, however, these foods must be sliced or cooked, and the labor required for so doing increases the cost of such food, but not to an extent to make it really objectionable, as root cutting machines, which cost but little and are easily operated, have greatly reduced this labor. The reduced cost of production at a largely increase yield of forage crops has greatly lessened the expense of feeding stock, especially in the South, with our mild winters and good pasturage for six to eight months of the year.—*Stock Journal*.

Location of a Dairy Barn.

In the production of clean milk no one thing is of more importance than keeping the cows out of the mud. Many yards into which dairy cows are turned each day for their drink and exercise, are knee deep in mud and manure during the winter and spring, if not nearly the entire year. In summer when the cows are on pasture they would keep comparatively clean were they not obliged to wade through a filthy yard in going to the stable.

In locating a dairy barn care should be taken to have a gentle slope from the barn in at least one direction, affording good natural drainage for both barn and yard. If the barn is already built and poorly located, draining and grading will do much to remedy the evil. In most cases it would take but a small amount of labor with plow and scraper, when the ground is in suitable condition to handle,

to give the surface of the yard a slope from the barn sufficient to carry off the surface water. Even if dirt has to be hauled in from outside the yard to accomplish this it will not be expensive. Tile drainage alone under a yard is not sufficient as the tramping of the cattle soon puddles the surface.

After the grading is done the yard should be covered with gravel or cinders. By putting the coarser in the bottom and the finer on top a good hard yard can be obtained at a comparatively small expense where material of this kind is available. If this can not all be done in one year, it is of the utmost importance that a beginning be made by grading and graveling a portion of the yard next the barn, so that the cows may have some place on which to get out of the mud and filth. By grading a part of the yard each year and applying a thick coat of cinders to the graded part, the entire yard will, in a few years, be in good condition. When gravel does not contain enough clay to pack hard, a small amount of clay should be mixed with the top layer. It will then form a firm surface.

A portion of the yard should be bedded, thus affording the cows a place to lie in the open air on pleasant days. If straw is scarce the cleanest of the soiled bedding from the stable will answer for this purpose. When the straw and manure on this bedded portion of the yard become too deep and soft it should be hauled into the field and the bedding commenced again on the solid yard.

It is advisable to haul the manure directly to the field from the barn, but if this is not feasible it should be removed at least 100 feet from the barn. In no case should it be allowed to accumulate against or near the dairy barn and no swine pen should be nearer than 200 feet on account of the odors being readily absorbed by milk.—*Farm Stock Journal*.

Some Dog Tales.

"I have an unusually intelligent dog," said the man who likes to spin yarns when with a party of friends. "He was taught to say his prayers, and if you'll believe me, that dog now wags his tail whenever he sees a minister anywhere near him."

"I have a dog with even more intelligence than that," quietly returned a member of the party. "One day when he got out in the street some mischievous boys tied a tin can to his tail, and if you'll believe me, that dog headed for the nearest saloon and backed right up to the bar."—*Farmer's Advocate*.

Mules Bringing High Prices.

This year promises to be the best in the history of the state for mule trade. Commissioner of Agriculture Ogilvie says that the prices which the farmers and stock men of Tennessee were receiving from their mules this season was better than ever before known. Recently a prominent stock man of Maury county sold six mules for \$1,220. A dealer in Marshall county paid an average of \$125 for a bunch of eighty-two. Another in the same county recently refused an offer of \$160 each for a large bunch.

Very few people of the state realize the value and importance of the mule industry of Tennessee. In the number of mules produced this state ranks third, according to the last year book of the Department of Agriculture. And of the mule raising states Tennessee's mules bring a higher price than any other. According to the authority referred to the mules of Tennessee average \$90 each, while those of Texas, the first mule state of the union, were worth last year only \$60. The average price of the Missouri mule is considerably less than that paid for the Tennessee mule, being only \$70 last year.

As evidence that the demand this year is greater than ever before and better prices are paid, the fact is noted that probably three-fourths of this year's supply has already been placed on the Southern market. Heretofore the bulk of the year's supply has not been shipped South until two or three months later. In giving the average value of the mules of the several states only those states in which mules are raised to any extent are given, as the price of mules in the Gulf States is necessarily higher than those of the states where they are a native product.—*Nashville American.*

Qualities of the Dairy Cow.

A great deal is being written about the breeding and also about the feeding of the dairy cow, and the advocates of each claim quite all the virtues possible to attain. The fact is that in order to produce the cow we must have, requires a combination of the two—breed and feed.

The cow, however well bred, even though her pedigree should be made up of the most celebrated milking strains known to the dairy world, without provided with proper feed could no more produce rich milk that would make prime butter, than she would stand a chance for winning the prize in a fat cattle show. To reach the highest development in the dairy cow the breeder must breed till he can get a herd highly bred, and study feeding till he gets every cow to giving milk to her full capacity in quality and quantity.

Breeding Laws.

There are three principal laws in breeding animals that must be recognized. The law that reproduces like qualities, the law that produces variations and the law of atavism or reverting back. While these different laws must be studied in relation to the stock in hand, the problem becomes intricate from the fact that they are unknown quantities. Any one of them may produce unlooked for results from one mating; results that are entirely different from the preceding one. The laws themselves are fundamental, but may vary greatly in individuals.

The underlying principles governing these laws rests on the survival of the

fittest, which is nature's provision for reproducing the best. The strongest characteristics predominate sooner or later. By proper manipulation the breeder assists nature in reproducing the desirable qualities sooner than the natural law of the survival of the fittest could possibly bring it about. A strong constitutioned animal will impress its personalities on succeeding generations to a greater extent than an animal that is constitutionally weak. But the breeder must know whether these predominating qualities are desirable or not. Careful, painstaking study along lines of natural development extending through several generations will reveal many interesting idiosyncrasies. A successful breeder is a careful student of nature.

A Buttermaker's Suggestion.

A practical creamery buttermaker sends the following advice to his patrons:

If we are to have the best grade of butter that will sell at the highest price, we must have only pure, sweet milk. It is for your interest that we make a fancy article, and with your co-operation this can be accomplished.

Trusting that every patron will unite with us in this effort, we beg to offer the following suggestions:

First—Thoroughly brush the cow's flank and udder before milking.

Second—Strain carefully through wire and cloth strainers.

Third—Don't allow cans to remain in stables.

Fourth—Don't mix night's and morning's milk before cooling.

Fifth—Keep milk in cold water.

Sixth—Leave covers on until the milk is cooled, then stir and close the cans.

Seventh—Don't leave skim milk standing in cans.

Eighth—Use brush and warm water for washing cans, then rinse in scalding water and stand in sun.

Ninth—Don't use wooden milk pails.

Hard work alone will not bring success. Some of our most energetic workers make a failure of life. Success comes in cases where the labor is well directed.

To Keep Butter Sweet.

Preserving butter and keeping it sweet for any length of time is one of the greatest difficulties to be overcome by the farmer's wife, who frequently has to hold her supplies for ten days or two weeks before she has a sufficient amount to justify her in shipping to market. A successful butter maker, writing to an exchange on this subject, says he has used an old Scotch method that has proven entirely satisfactory, and while the Agriculturist makes no pretense of endorsing this method we give it for those who wish to make the experiment:

Use two parts of the best common salt, one part sugar, and one part saltpeter, beat them up together, and blend the whole carefully. Take one ounce of this mixture for every ten ounces of butter, work it well into the mass, and close it up for use. The butter thus cured should stand from three weeks to a month before it is used, the ingredients are inexpensive and harmless, preserving the butter sweet.

A "Swell" Mexican Farmer.

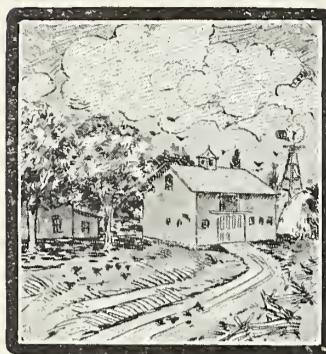
A Mexican farmer, Dan Luis Terrazas, a great friend of President Diaz, has what you might term a tidy farm at Chihuahua—about eight million acres—takes the Mexican Central trains more than half a day to cross it.

He keeps and feeds more than a million cattle. His stable consists of some 100,000 horses; his sheep-fold 700,000 sheep, from 200,000 to 300,000 calves are branded every spring. More than a thousand cow boys and so on keep his cattle on a thousand hills. By the way, his farm contains a few mountains by way of diversification.

At his slaughter and packing houses near Chihuahua City, 250,000 cattle, as many sheep, and hogs innumerable are killed, and away they go in his own refrigerator cars. Some 40,000 persons dwell on his estate and are ruled by this Arabian Nights farmer, who lives in a two million (silver) dollar castle and is a swell and nabob such as these United States know not.—*Everybody's Magazine.*



Some Great Milkers, Experiment Farm University of Tennessee, Knoxville, Tenn.



FARM AND GARDEN



Conditions on the Farm.

Compared with a dozen years ago the condition of the average farmer is vastly improved. A succession of good crop years and the general inclination of farmers in recent years to profit by the information that is easily obtainable from the bulletins of various experiment stations is being put to good use.

The result is becoming evident in better buildings, better horses and conveyances for use on the road, better machinery and easier life and a greatly increased number of farmers' sons and daughters as students in colleges and technical schools, where they are constantly learning how to return to the farms and get more out of the soil and more out of the animals kept on the farm than their fathers did.

They are learning and applying the fact that the life of the farmer is not and need not be a life of drudgery, but the life of a thinking and keen-minded business man whose investments in seeds, in fertilizers, in machinery, in labor and whose sales of products should be made with the same clear-minded understanding of quality and adaptability to the business of his farm and the same understanding of market conditions as it required of the merchant or manufacturer who makes a marked success in his line.

Food Value of Alfalfa.

Alfalfa will enable a farmer to cut down his feed bills. It is a great substitute for bran, offal and other mill feeds. It is the best feed for the dairy, for all kinds of young stock. Hogs winter well on it, with but little grain. The following is a summary of a most interesting test by the State Experiment Station in feeding alfalfa to cows:

1. The cost of producing milk and butter can be greatly reduced by replacing part of the concentrates in the daily ration of the cow with some roughness rich in protein, such as alfalfa or cow-pea hay.

2. A ton of alfalfa or pea hay can be produced at a cost of \$3 to \$5 per ton, whereas wheat bran costs \$20 to \$25. As a yield of from two to three tons of pea hay and from three to five tons of alfalfa can be obtained from an acre of land, it is to see the great advantage the utilization of such roughness, in the place of wheat bran, gives the dairyman.

3. In substituting alfalfa hay for wheat bran it will be best in practice to allow one and one-half of alfalfa to each pound of wheat bran, and if the alfalfa is fed in a finely chopped condition the results will prove more satisfactory.

4. When alfalfa was fed under the most favorable conditions a gallon of milk was obtained for 5.7 cents and a pound of butter for 10.4 cents. When pea hay was fed the lowest cost of a gallon of milk was 5.2 cents, and a pound of butter was 9.4 cents. In localities where

pea hay grows well it can be utilized to replace wheat bran, and in sections where alfalfa can be grown it can be substituted for pea hay with satisfaction.

5. These results, covering two years' tests with different sets of cows, furnish proof that certain forms of roughness rich in digestible protein can be substituted with satisfaction for the more expensive concentrates, and should lend encouragement to dairy farms.—*G. W. Koiner, Commissioner of Agriculture, Richmond, Va.*

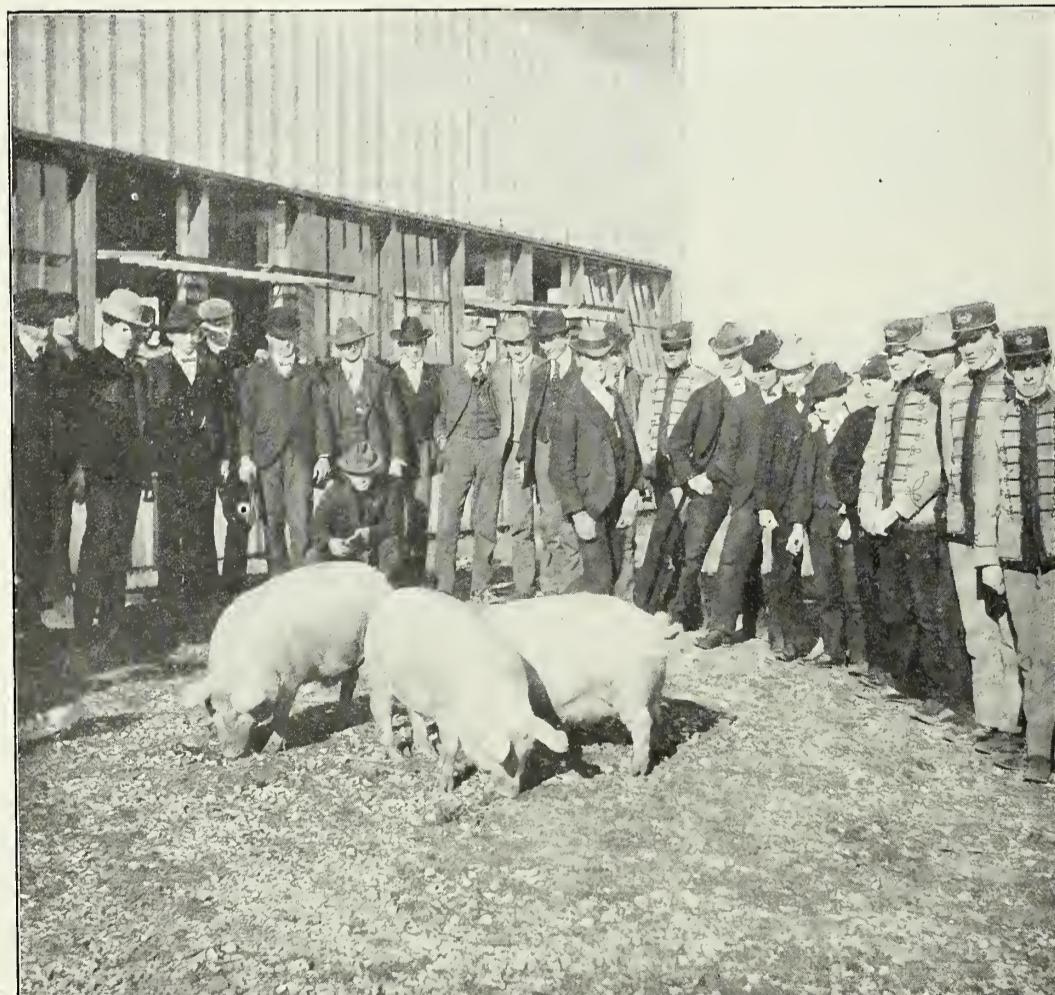
Money in Potatoes.

I plant the late Red June, as a money maker. Now, with reference to selecting the seed. In order that you may improve the appearance or the quality, select a smooth, round, or as near round as possible, potato. It don't matter so much about the size as it does about the quality. Small, or shallow, eyes are preferred. Cut so as to have at least two good eyes to each piece, dropping 20 to 24 inches apart, covering with an old-fashioned bull tongue plow with a good size wing attached thereto. Throwing two furrows on the potatoes. Of course, the soil is to be well prepared beforehand. The fresher the land the better.

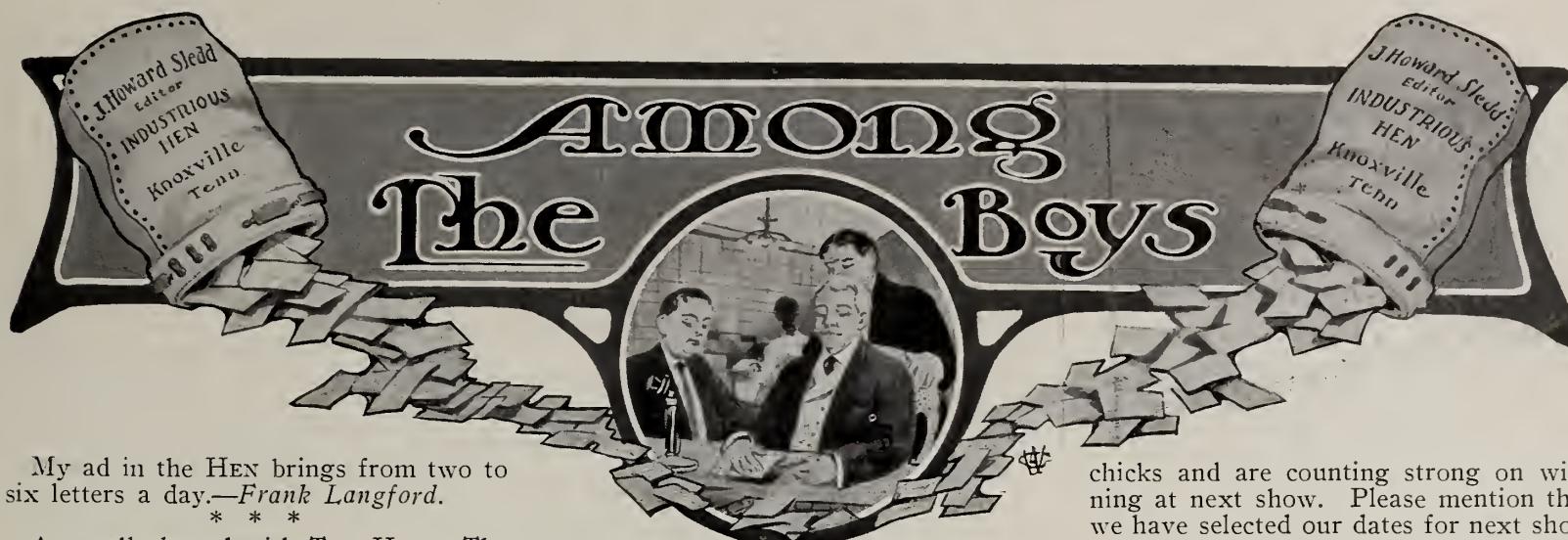
I often go twice in the row before planting, in order to open a good size furrow.

Soon as the potatoes are sufficiently high to cultivate, pull out or hoe out all weeds and grass, after which give them a good plowing, but not too deep. If more weeds come don't fail to destroy them as they usually grow fast in such land, and at this season of the year. I stated before that the time of planting was June. However, I have planted them the 1st of July with good results, but the last plowing should be done with the same kind of a plow that you planted them with, throwing a good ridge or hill to them which will tend to hold up the vines, having been planted deep, and with all this dirt hilled about them, they are much better prepared to stand a drouth. All this work should be done by the 20th, or 25th of August, for the young potatoes will have begun to grow by this time. No more cultivating is to be done. September rains are absolutely necessary for a beautiful crop.—*Crabtree Saturday Press.*

Here it comes and there it goes—and a whole lot of it is gone before the merchant who waits to advertise realizes it is even coming.—*White's Sayings.*



Judging Hogs, Experiment Farm University of Tennessee, Knoxville, Tenn.



My ad in the HEN brings from two to six letters a day.—*Frank Langford.*
* * *

Am well pleased with THE HEN. The more I see her the better I like her. As an advertising medium she is unsurpassed.—*Ino. R. Baldwin, Jr.*

* * *

I have had 15 years experience as a practical printer and for the last eight years have examined every poultry paper published—to make a long story short, THE INDUSTRIOUS HEN surpasses all of them, both typographically and in pure sensible reading.—*Walter E. Rogers.*

* * *

"From a flock of 125 White Wyandottes in February I got 108 eggs daily. Your HEN is a splendid advertising medium as well as being one of the best journals of its kind I ever saw. It has sold for me all the chickens I could spare and I still get inquiries."—*A. H. Carpenter.*

* * *

"The prospects are good for a State Fair here next fall and we will hope to have a good poultry show with you and some of the Tennessee breeders present. THE HEN has sold me very close—out of stock this winter and I have but few left for spring trade."—*S. S. Stansbury.*

* * *

"Was glad to receive a copy of the INDUSTRIOUS HEN. Am so well pleased with it that I want to be one of your subscribers and I also send you three others."—*Mrs. Lucy Mankin.* (If all our present subscribers would do as well for us we would run far and away ahead of our most sanguine expectations.—Editor.)

* * *

"You are making a magnificent paper. If I had a few sample copies could easily get a club. (The samples went.—Ed.) I bind mine and can't use them, many people come here to look at them. I have forty hens that laid 1,040 eggs in January and February. I want to be with the boys next fall. Yours for the HEN.—*J. M. Jordan.*

* * *

"We have already gone to work preparing for our next show at Columbia, Tenn. F. J. Marshall will judge for us again. In order not to conflict with other nearby shows we have selected the last week in November, from Tuesday to Saturday. Several of our boys are going on the grand circuit next season, and let me predict that you will hear from some of these boys doing some winning too."—*R. S. Hopkins.*

* * *

Just a word about the score card system at the shows. I have lately received a letter from a friend who attended one of the large Northern shows and styles himself a "rank outsider" and says: The prizes had been awarded and no one but an expert could point out why the prizes

were distributed as the placards showed. That is the way the comparison shows impress the general public whose attendance make or mar the success from a financial standpoint. As a newcomer I must say that the three day show is superior to the all week show and brings the birds back in a much better condition. I hope the new Southern Association will stick to the present methods.—*B. S. Horne.*

* * *

"The boys around Huntsville, Ala., are quite busy with their little flocks and all of them have winners before the shell is pipped. Flocks are cropping out around here that I knew nothing about and I do try to keep myself posted about my own people. I believe that poultry is a sure winner in this section and with good premiums and the open door a business may be expected that will astonish the natives. Frank Murphy and Dr. Humphrey both have fine White Leghorn

chicks and are counting strong on winning at next show. Please mention that we have selected our dates for next show for January 1-4, 1907. I want to congratulate you on the make-up and general appearance of the HEN. It is a pride and a credit to its owners. It is newsy and instructive. I find much of interest in its pages and look forward to its reaching my desk with pleasure. I recommend it to poultrymen as the banner publication of the South in its line of work. It looks almost as good to me as the pen of prize winning White Wyandottes that I wished I had taken to Nashville to take laurels from my friend Bell. The HEN suits me and will any other who is fortunate enough to subscribe for it."—*John L. Hay.*

Still Crowing.

In the March issue of THE INDUSTRIOUS HEN appeared the picture of a rooster crowing for John H. Blankenship, Republican candidate for Sheriff, Primary Election April 26. That bird is yet crowing and has several voters in his neighborhood thinking the same way.



First Prize White Leghorn Cockerel, Montgomery, Ala., Show, December, 1905. Bred and owned by Forbes Poultry Yard, New-Decatur, Ala.

BRIEF MENTION.

A gentleman writes us to know where he can buy egg shipping boxes. What has become of the advertisers of these goods?

* * *

Mr. L. C. Carter, of Burlington, N. C., has bought from W. Luther Cate his famous Buff Leghorn cock bird "Alberto" and is using him in his yards.

* * *

The first prize cockerel in Rhode Island Reds at the Knoxville show should have been credited to J. P. McMullen instead of to Mrs. Williams. A clerical error that we gladly correct.

* * *

E. E. Carter has been elected President and M. S. Copeland Vice-President of the National S. C. Brown Leghorn Club. A deserved recognition of two of the best Brown Leghorn breeders in the country.

* * *

The first pen of S. C. White Leghorns at the Nashville show as well as the first cockerel should be credited to R. S. Hopkins of Columbia. This is published to correct error as it appeared in the former list of awards.

* * *

There has come to this office a neat folder, well illustrated of the Rhode Island Reds as bred by Frank Langford, of Nashville, Tenn. Those interested in the Reds will have interest in reading it. He will have pleasure in mailing you a copy.

* * *

T. Reid Parrish is one of the most successful and up-to-date breeders of Light Brahmans in the country and he has a neat circular telling of his matings and of his pit game bull terriers that he will send you on request if you will but mention THE INDUSTRIOUS HEN.

* * *

Mrs. W. S. Porter, of Petersburg, Tenn., who has never failed to win her full share of the ribbons on her Black Minorcas wherever they have been shown should have been credited with the first prize cockerel. "I exhibited my Black' Minorcas and made a clean sweep."

* * *

"The Pines" handsome 36 page catalogue printed in colors and elegantly illustrated with sixty half tones of the winners of the world. A book full of valuable information on breeding and raising poultry, how to feed and care; a book worthy a place in any library; mailed to any address on receipt of six cents in stamps for postage. Address, R. E. Jones, The Pines, R. F. D. No. 1, Paducah, Ky.

* * *

Among the out of town members attending the meeting of the East Tennessee Poultry Association were the Walker Bros., of Madisonville; C. P. Hale and D. P. Walker, of Sweetwater; C. M. Emory, of Arlington, and the President, Sam M. Cooper, of Fountain City. Anxious inquiries were made for Bayne, of Russellville, Hicks, of Madisonville, Copeland of Powell Station, Childress of Sweetwater, but no information could be gathered other than that they were enjoying Washington's birthday.

BRUNER'S WHITE PLYMOUTH ROCKS

MAKE A GREAT RECORD

At the exhibition of the Wabash Valley Poultry Association, Haubstadt, Ind., Dec. 18th-23rd, 1905, we made almost a clean sweep of all the prizes.

At Evansville, Ind., Jan. 8th-13th, 1906, our birds won again, in hot competition.

This proves conclusively our White Rocks are as good as the best. They are large size, pure white, fine shape and great layers. Bred for fancy and utility. They always give satisfaction. Have never had a dissatisfied customer. A few very fine Cocks and Cockerels for sale. Prices reasonable. We have five pens of high grade birds mated up for the egg trade, from which we guarantee a reasonably good hatch, or replace setting free. Price \$3.00 for 15, \$5.00 for 30, \$7.50 for 50, \$14.00 for 100.

Correspondence solicited. Prompt reply to all.

A. F. BRUNER & SON :: R. R. 5, Evansville, Ind.

White Hill Poultry Farm

WHITE WYANDOTTES and S. C. WHITE LEGHORNS

White that stays white. Ideal in shape

Single Comb Buff Orpingtons

Buff, blocky beauties. We can fit you out for the shows or start you right with breeders. Birds right and prices right.

LAWSON & VARNELL, Route 4

A. J. LAWSON, Mgr.

Cleveland, Tenn.

MAMMOTH BRONZE TURKEYS

B. P. ROCK CHICKENS AND POLAND CHINA HOGS

"Goliath," at 19 months old, weighed 48 lbs., scored 97 1/2 points, won first prize at Nashville show, January, 1906; also two specials for largest fowl in show. I also won 4th hen and 4th pullet, score 9.95 points. At North Alabama show, December, 1905, I won 1st on yearling cock "Goliath," 2nd on yearling hen, special \$5.00 on pair, 1st on cockerel, 1st on pullet, special \$5.00 on young pair. Goliath heads my flock of breeding females, 1906. Six of which are daughters of "Jumbo Jim," the 47 pound, 18 months old tom that won 2nd prize at World's Fair, St. Louis, 1904. I also have 1st and 2nd prize winning pullets at Columbia, Tenn., in my flock. I carry B. P. R. chickens of best prize winning blood—Bradley Bros and Sid Conger strain direct. Eggs in season. Turkey eggs from 17 to 18 pound pullets, 50c each, or \$5.00 per dozen; from 19 to 21 pound prize winning pullets \$1.00 each or \$10.00 per dozen. Chicken eggs \$1.50 per 15. Patronage solicited and everything guaranteed as represented. For further information address

MRS. J. C. SHOFNER, R. F. D. No. 1, Mulberry, Tenn.

THE GAINES WHITE PLYMOUTH ROCKS

BRED TO WIN—AND DO IT

You would probably buy the Gaines White Rocks if you could take them in your hand and see their immaculate white plumage, their unusual beauty, style and vigor.

ONLY 50 BEAUTIFUL COCKERELS LEFT FOR SALE.

10 of them sons of Bob and Alice White. No more Females for sale this year.

Send for FREE Circular, which gives a list of my winnings.

If birds I ship do not please you, return them AT ONCE. YOUR MONEY BACK and I stand express charges BOTH WAYS.

E. H. Gaines, Prop'tr, GAINES' POULTRY YARDS, Gaffney, S. C.

SANDY RUN POULTRY YARDS

W. D. HARRILL & CO., Props. - - - Ellenboro, N. C.

Breeders of Light Brahmans, Black Langshans, Black Minorcas, Buff and Barred Plymouth Rocks, R. I. Reds, Part-ridge and Buff Wyandottes, Brown and White Leghorns, Belgian Hares.

We have won this season at Atlanta, Charleston, Raleigh and Charlotte, on our birds 43 1st prizes, 32 2d, 27 3d, besides scores of specials. Prices of eggs \$2.50 per 15. We have a few good cockerels for sale, including the 1st and 4th prize winning Part-ridge Wyandotte ckl. at Raleigh, also 1st, 2d and 3d at Charlotte, price \$5 to \$10 each.

Wall's Barred Rocks

Have won the lion's share of blue ribbons past seven years at Southern shows. Huntsville, Ala., Dec. 26-30, 1904, hot competition, 1st, 2nd and 3d cocks; 1st, 2nd and 3d hen; 2nd pen. Scoring to 95 under Brown; 93 $\frac{3}{4}$ under Marshall. If you want winners, send to him for eggs. Will sell only a few settings.

Fox Terrier Pups for Sale.

W. L. WALL, Huntsville, Ala.

HOPE'S Great Jewelry Store Has Issued a Holiday Catalogue

Which will be sent FREE on request to any address. This catalogue illustrates the newest ideas in Holiday Jewelry, Watches, Cut Glass, Silverware and other Art Wares, and also tells of the immense stocks which we carry at all times. It is interesting and informing, and will make easy the selection of your Christmas Gifts. We want every reader of this publication to have a copy. Send for it TO-DAY.

HOPE BROS., Jewelers
519 Gay St., Knoxville, Tenn.

BUILDING PLANS AND DESIGNS A NEW BOOK



THIS HOUSE COST \$2,000
Fully illustrated in the book

Illustrating Houses costing from \$1,200 to \$16,000
FULL OF NEW IDEAS
WORTH MORE THAN DOLLARS TO YOU
SEND 50 CENTS FOR IT
M. E. PARMELEE, Architect
OPPOSITE P. O. ON CLINCH ST.
KNOXVILLE, TENNESSEE
Name price of house you desire to build



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We plan, prepare and print CATALOGUES, BOOKLETS and CIRCULARS. We design CLEVER ILLUSTRATIONS. We make all kinds of POULTRY CUTS. Ask our prices Write to-day.

FRANK W. YOKOM CO.
Lock Box 252 **TOLEDO, OHIO**



Agents wanted.

THE ONLY NEW THING IN INCUBATION

A limited edition of a new book on scientific incubation is now ready for distribution. A copy will be sent you on request, accompanied by your business card. This book explains the theory and construction of the only incubator ever made capable of producing a continuous hatch. Mention THE INDUSTRIOUS HEN.

HACKER INCUBATOR AND MFG. CO.
3104-12 N. Jefferson Ave. **St. Louis, Mo.**

Subscribe for THE INDUSTRIOUS HEN.

At the big poultry show held at Toledo, Ohio, week of February 5th, with an entry list of 1400 birds; in a good class of Partridge Wyandottes H. C. Thomm won 1st hen, 1st and 2nd cockerel, 2nd and 3rd pullet.

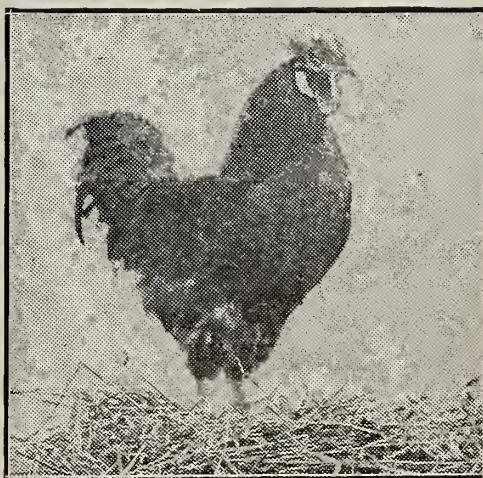
* * *
Don't put it off but sit down right now and write to the Damons at Mitchell, Tenn., and ask for their circular descriptive of the handsome thoroughbred poultry they are raising. You will be pleased with it and if you need anything in their line they will serve you promptly and well.

* * *
Judges Hewes and Drenestadt pronounced the Black Minorcas as shown by Gideon O. Harne, of Wolfsville, Md., the best ever shown at Hagerstown by any one exhibitor. This is strong commendation. Mr. Harne starts an advertisement with us this month and will be glad to send proof to all readers of the HEN.

* * *
Mr. S. S. Stansbury, Richmond, Va.: The pen of single comb White Leghorns arrived yesterday afternoon in perfect condition. I am very much pleased with them, and they are as fine as any I ever saw. Thank you very much for your attention to my order, and hoping you will have continued success.—J. B. Waddill, Tate Spring, Tenn.

* * *
H. C. Austin, of Johnson City, is offering a prize of five dollars for the highest scoring bird raised from eggs bought of him. Mr. Austin breeds the very best of Black Langshans and sells eggs at \$5.00 per setting. Those who buy eggs and desire to compete for this prize must send the scores of their birds to Mr. Austin by February 1st, 1907.

* * *
The Alamance Poultry and Pet Stock Association was recently organized at Burlington, N. C., with the following officers: J. P. Payne, president; J. W. L. Thompson, Treasurer; W. Luther Cates, secretary. For a board of directors they have, J. A. Isley, J. W. Lasley, J. C. McAdams, J. M. Workman and T. H. Stroud. They will hold their first show in connection with the Alamance Fair and it will be open to competition from the world. Good judges will be employed and the judging will be by comparison. The premium lists will be ready for mailing by the last of April. Write the secretary at Burlington, N. C., and have him send you one.



Red Chief—1st Cock Atlanta and Nashville, S. C. Rhode Island Red. Bred and owned by Frank Langford, Nashville, Tenn.

The February Hen.

MRS. W. J. LANDESS.

I feel it an honor to be numbered among the brood of THE INDUSTRIOUS HEN, and enabled to pick up the crumbs of poultry lore she so lavishly scatters abroad each month. The last number certainly contained sufficient food to fill any crop and must advance the growth of all if properly digested.

I wish especially to commend Mrs. J. C. Shofner's criticism of The New Standard. It does not seem just that the smaller bird should win in case of a tie. This is putting the Southern breeder at a disadvantage when competing with the Northern brethren. It seems rather inconsistent to show our dwarfs (late hatches) and sell out giants. I have never had a customer yet from any point of the compass that objected to size if other points were good. I have rather found them better pleased to have the size right if the other points were not up to Standard.

Judge Marshal surely portrayed, Show Benefits, in their true light and most condensed form.

Judge Sledd's vivid description of the great Nashville show, in his easy, happy style caused me to live over those days of joy again and anxiously await the next one. I do think we should all heed his advice about taking advantage of our opportunities and strive to meet his expectations.

I will not enumerate all the good things I enjoyed lest THE HEN should think my cackle too long for a chick's first effort and not give me another opportunity to be heard.

I learned in the fables of the silly woman who killed the goose that daily laid a golden egg and I am truly glad she did not get hold of THE HEN that does the same monthly. I sincerely echo the wish of J. W. Boswell, Jr., of Nashville, in the February number.

Hoping the busy mother needed the rest she had to take listening to my cackle and will not have to over exert herself making up the lost time, I am, yours with best wishes.

Morning on the Farm.

When the white dove cooes to his drowsy mate

And the birds in the trees rejoice,
Old Brahma stands on the barnyard gate
And shouts in a lusty voice:

"I feel beter this mor-rning."
And the Bantam thinks 'tis true,
For he answers back in a tenor tone:

"Without—a doubt—you do-o."

The house dog lies with his head on his paws

And blinks at the morning call;
The cat with the field mouse in her jaws
Comes running home on the wall;
While the Brahma heralds the morn again,

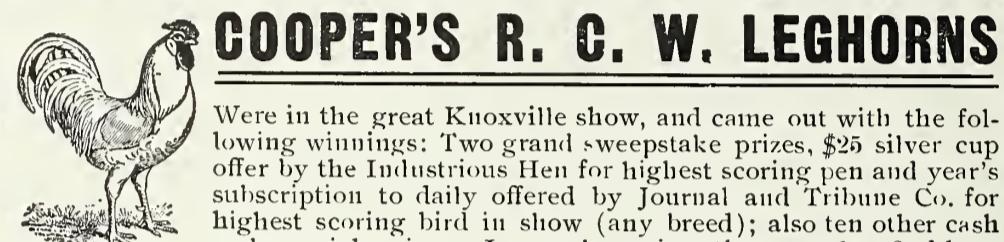
And the Bantam takes the cue:
"I feel better this mor-rning."

"Without—a doubt—you do-o."

The birds with a glorious burst of song
Make glad the orchard boughs;
And the farmer, swinging his pails along,
Goes out to milk the cows;
The work of the day begins again,
And the roosters call anew:
"I feel better this mor-rning."
"Without—a doubt—you do-o."
—*Youth's Companion.*

**WE WIN!**

at the late Madison Square Garden Show, New York, in the S. C. Buff, Black and White Orpington classes as follows; 7 firsts, 9 seconds, 7 thirds, 4 fourths and 4 fifths, and these in the strongest classes of Orpingtons ever put together, there being 370 birds competing. We also won the most prizes of any breeder in these same classes. We have the stock and established winning breeding lines, but buying high grade stock and eggs cannot safely be done upon the strength of the mere argument a breeder has room to advance in his advertisements. Now we want you to send for our catalogue, testimonial book and a very elaborate mating list, describing over forty different breeding yards and prices of eggs from same. Do not be fooled or misled by misadvertising, but come to the fountain head to get your start.

WILLOW BROOK FARM
W. L. Davis, Prop. Box 75, BERLIN, CONN.**COOPER'S R. C. W. LEGHORNS**

Were in the great Knoxville show, and came out with the following winnings: Two grand sweepstakes prizes, \$25 silver cup offer by the Industrious Hen for highest scoring pen and year's subscription to daily offered by Journal and Tribune Co. for highest scoring bird in show (any breed); also ten other cash and special prizes. In regular prizes they won 1st, 2nd hen; 1st, 2nd cockerel; 1st, 2nd, 3rd, 4th pullet and 1st, 2nd pen.

No better layers for any season.

SAM M. COOPER Fountain City, Tenn.

POULTRY, FEED and SUPPLIES

Red Wheat	Kaffir Corn	Grit and Shell
Cracked Corn	Hulled Oats	Wheat Screenings
Buckwheat	Alfalfa Meal	Charcoal
Sunflower Seed	Darling Beef Scrap	Broken Rice
Millet	Lambert's Death to Lice	

Model, Chamberlains, Cyphers, Steinmesch and Purina Chick Feeds

BEST QUALITY is my specialty

Mixed Poultry Grain, \$1.90 per cwt. Laying Mash Food, \$2.00 per cwt.
Agent Model Incubators and Brooders

Breeder S. C. WHITE LEGHORNS. Prize-winning Stock and Eggs for Sale

E. E. ELLSWORTH

Johnson City, Tenn.

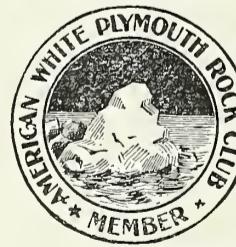
D. R. MAYO

625 GAY STREET, KNOXVILLE, TENN.

Poultry Supplies, Field and Garden Seeds

DARLING'S FEEDS. BEEF MEAL, BONE MEAL, SHELL AND GRIT.

A full line Prairie State Incubators and Brooders. Write me your needs

NOLL'S WHITE PLYMOUTH ROCKS BRED TO LAY
BRED TO WIN

Have again proven their superior qualities at the big Missouri State Show Dec. 12 to 16, 1905. In hot competition, 107 in class, I won 1st and 4th Pen, 1st, 3rd and 4th Pullet, 1st Cockerel, 2nd Cock and 3rd Hen; also Club Special for best Pen, Pullet and Cockerel. If you want the up-to-date kind, write me. Fine breeding or show birds in pairs, trios or pens, properly mated, at prices you can pay. Eggs from my Exhibition Matings will bring you winners. \$2.50 for 15, \$7.00 for 50, or \$12.50 for 100. Columbian Wyandottes—My stock of this variety is strictly first-class. 1st Ck'l, 1st, 2nd, 3rd and 4th Pullet, at Mo. State Show, Dec., 1905. Eggs \$5 per 15. HENRY C. NOLL, Box A. Dalton, Mo.

**FOR LAYING
SIZE AND QUALITY**

My S. C. B. Orpingtons, S. C. B., W. and Buff Leghorns, W. Wyandottes and M. B. Turkeys are hard to equal. Eggs from \$1.00 to \$2.50 per 15. Turkey Eggs, \$3.00 per 15.

MRS. M. C. ANDERSON, Shelbyville, Tenn.

B. P. ROCKS

Bred for Business and for Beauty. Fit for any company. Stock and Eggs.

S. T. JOHNSON, Greenfield, Tenn.

S. C. Buff Orpingtons

The World's Best.

Two pens headed by prize winners. Eggs in season \$3 for 15; \$5 for 30.

I have some fine young Cockerels for sale. Highest scoring Buff Orpington at Birmingham show.

C. W. HALL, - Brookwood, Ala.

PULMOLINE

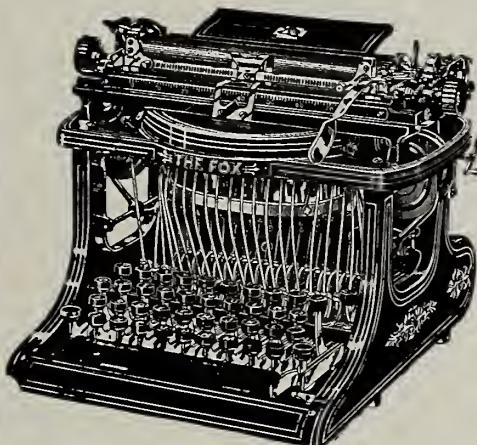
Cures Consumption, Bronchitis, Pneumonia, Croup, Colds, Chronic Coughs and Catarrh. Prescribed and recommended by the leading physicians. Used extensively by the most prominent Sanitariums for treatment of Pulmonary diseases.

PULMOLINE IS EXTERNALLY APPLIED

Gives quick relief; destroys the disease germs and aids the tissue-building processes; increases the appetite; contains no opiate. For sale by all druggists. Price \$1.00.

PULMOLINE CO., Box 635, Knoxville, Tenn.

Until your druggist can supply you, Pulmoline will be sent postpaid upon receipt of regular price. CORRESPONDENCE SOLICITED.



THE LIGHT RUNNING FOX TYPEWRITER

Represents the Highest Development
in Writing Machine Construction...

The Simplest, the Best

CONSEQUENTLY THE CHEAPEST

Catalog and Information on Request. Agents Wanted.

S. B. NEWMAN & CO., Knoxville, Tenn.

WHY NOT Come to the fountain for your stock and eggs? My winnings at four shows, including Atlanta, Ga., 40, and 16 first, more than all of my competitors. Eggs \$3.00 per 15, \$5.00 per 30. Some fine cockerels and good breeding pullets for sale. Address the
PARTRIDGE WYANDOTTE PARK, Lock Box 74, Burlington, N. C.

**FISHEL
STRAIN**
World's Best

WHITE PLYMOUTH ROCKS. Bred in Their Purity

Many youngsters that will be heard from in the coming season shows. Grand flock of breeding Cockerels that will improve your flock. If it be an Exhibition Cockerel, let us put you right at reasonable prices, or write your wants. Eggs \$3.00 and \$5.00 per 15.

M. W. BUNCH & SONS, Box B, Petros, Tenn.

Tenn. Sect. American White Rock Club, Members East Tenn. and Tenn. State Poultry Assn's.

? Do You Need Any Printing ?
If so, write for samples and prices to
THE INDUSTRIOUS HEN, Knoxville, Tenn. **!**

THE HOSPITAL

For Cholera.

Equal parts of rosin, alum, sulphur and cayenne pepper, powdered together and fed in scalded meal, a tablespoonful to 12 adult fowls, for of course, young fowls could not take it so strong.

* * * For Roup.

A good remedy for roup that I have used with success for a number of years is as follows: Put 15 to 18 drops of carbolic acid in pail of drinking water. This for every day prevention. For swabbing throat use two or three drops of acid in teacupful of water. Swab with feather.—A. B. Henry, Sioux City, Iowa.

* * *

Necessity for the Dust Bath.

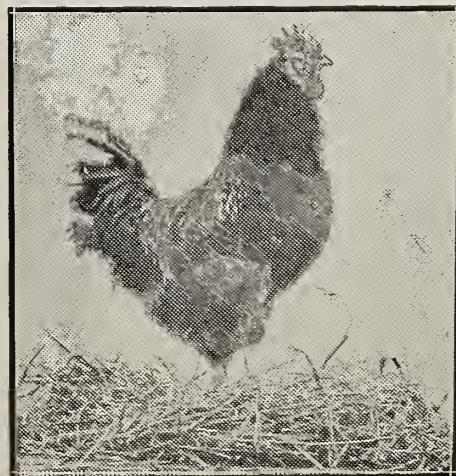
There are nine varieties of body lice affecting poultry. Each variety has some favorite part of the fowl's body which is its camping ground in preference to other parts, and it seldom trespasses on the neighboring claims. There are, however, two varieties which are wandering lice and may be found on all parts of the fowl. These lice not only travel from fowl to fowl on the roosts at night, but frequently leave the fowls to attach themselves to persons handling them and even to the walls of the hen house. Lice spread rapidly, one infested bird being capable of spreading the vermin through a large flock. In young fowls they cause dumpyishness, drooping wings, indifference to food, and may stunt or even kill the chicks.

One of the best means of preventing lice is a dust bath. This bath should be a wallow of freshly turned earth, mellow and slightly damp, out of doors under a tree in the summer, or in a box eight or ten inches deep in the hennery in rainy weather. Provided with a good dust bath, healthy hens will almost keep themselves clean from lice. Not so the cockerels; they are careless about their toilets, or afraid of taking sufficient dust baths and must be frequently examined and, if necessary, dusted.—Mrs. A. Basley, in California Cultivator.

* * *

Sore Head.

Sore head is a blood disease. It makes its first appearance in small pimples, filled with water, which soon after dry up in a small black scab. During the first



Red Robe, Score 94½—2nd Cock at Nashville, S. C. Rhode Island Red. Owned by Frank Langford, Nashville, Tenn.

few days, the fowls do not appear to suffer and eat heartily, but after that they often mope around and refuse to take any food. The disease is strictly a constitutional ailment, but seldom proves fatal.

The first thing most needed is a tonic to tone up the system, then a purifier for the blood. Tincture of iron kept constantly in the drinking water is a very good remedy, while powdered sulphur in soft food will aid in purifying the blood. When possible, the fowls should be moved to a place as far distant as convenient from the place where kept, and the disease should quickly subside.

There is another form of sore head, in some ways similar to the one referred to, but this is entirely different in effect. Strictly speaking, it is roup, but those who keep posted and know the general conditions of their poultry can not fail to note the difference. The former is only a mild blood disease, followed by no harmful effects, while the latter, when once given a start, will practically destroy the entire flock.

* * *

Castor Oil For Limberneck.

Dr. Sanborn: A reader writes to know what is the trouble with his birds and describes the symptoms as follows: "Some of the birds are taken as if they were paralyzed, losing control of limbs and neck, and others mope around for several days and are troubled with a diarrhoea of a greenish color. Combs remain red, but eyes have a frightened look and they have great aversion for food or drink. It seems to strangle them to swallow." The disease is known as limber neck or ptomaine poisoning.

The birds have either eaten some animal food that had spoiled, or good food became rotten in the bird. It is a disease from food. One bird will not pass it to another. In the very beginning of this disease, give castor oil to sweep out all spoiling matter in the bowels, and then put on dry grain for a week. Later in the disease you can do this and save a few of the birds. A man who is with his birds, and uses his eyes well, can get at these cases early enough to prevent much trouble. Keep all dead animals away from the birds and look well to the quality of meat products you feed.

* * *

Curing Colds.

Each fowl showing evidence of cold or congestion is shut up in a small coop and given two grains of calomel at night, followed by a one grain quinine pill night and morning for two or three days. If there is any discharge from nostrils, a few drops of camphorated oil are injected into each nostril. If any improvement is manifest in two or three days they are

**SUBURBAN POULTRY YARDS
SHELBYVILLE, TENN.****WILL PLEASE YOU IN
EGGS, PRICES AND WAY OF SHIPPING**

S. C. Buff Orpingtons, S. C. Buff, Brown and White Leghorns, White Wyandottes and M. B. Turkeys. There are no better birds in the South, either in breeding or individuality, than those in Suburban Poultry Yards. Don't you want some? Am now booking orders for eggs, and they will be filled in the order received.

TURKEY EGGS, \$3.00 FOR 15
CHICKEN EGGS, \$1.00 to \$2.50 FOR 15
Address

**MRS. M. C. ANDERSON
SHELBYVILLE, TENN.**

Unexcelled Silver Wyandottes
Also Irish Terriers from Registered Stock

Stock for sale from the best Southern strain of Silver Wyandottes. Twelve years a breeder, and winning during this time at Madison Square Garden N. Y., Cleveland, Ohio, Atlanta, Ga., Hagerstown, Md., Asheville, N. C., Charleston, Columbia and Spartanburg, S. C., and at the recent St. Louis, Mo., Poultry Show; hundreds of ribbons, the great majority being the coveted blue. Winning also at the So. Ca. I. S. and West Indian Exposition, Charleston, S. C., the \$50 Silver Cup offered by American Poultry Association for best Cock, Hen, Cockerel and Pullet in American class. Stock for sale at all times. Eggs in season, \$3.00 per 15. Satisfaction or no sale.

THEO. E. F. HOLZHAUSER

R. F. D. No. 2

COLUMBIA, S. C.

EGGS! EGGS! EGGS!
From Wilber's Prize-Winning Single Comb White Leghorns**THE WORLD'S BEST**

Winners of High Honors for years in the South's Greater Shows, at the recent great Birmingham, Ala., fall show, Charleston, S. C., Atlanta, Ga., and Nashville, Tenn., shows they, as usual, proved their excellence, capturing at Knoxville, Tenn., show three of National White Leghorn clubs 1st ribbons. "None Better."

10—GRAND YARDS NOW MATED—10

Eggs, \$5.00 and \$2.50 per 15; \$9.00 and \$4.00 per 30. Cockerels and pullets at right prices, or write your wants. Satisfaction Guaranteed. Mating Caid Free.

WILBER BROS., BOX G, PETROS, TENN.

State Vice President National Single Comb White Leghorn Club

BROWN LEGHORNS

First Cockerel, Second Pen, at the
World's Fair, St. Louis, Mo.

Over 200 regular and special prizes at fifteen great shows. Eggs \$2.00, \$3.00 and \$5.00 per 15. Free circulators on Matings and Show Record.

E. E. CARTER, 967 Broadway, Knoxville, Tenn.

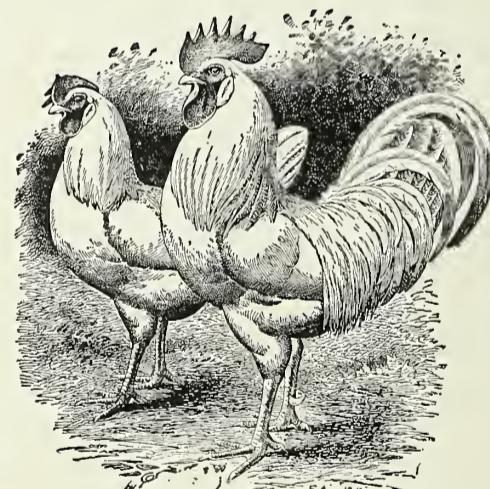
**FOGG'S S. C. WHITE
LEGHORNS****Never Fail to Please**

They have been bred for heavy laying and exhibition birds for many years. They are large, vigorous and handsome, good winter layers and keep at it all summer. Have mated several pens of the choicest, high-scoring and heaviest of layers of fancy and fertile eggs, at prices, quality considered, that cannot be duplicated for near twice the money. No better anywhere at any price. Write for circular.

1 setting, 15 eggs, \$1.50	100 eggs, \$5.00
2 setting, 30 eggs, 2.50	200 eggs, 9.00
50 eggs, 3.00	500 eggs, 20.00

N. V. FOGG., Mt. Sterling, Ky.

Reference, Mt. Sterling National Bank

**Black Minorcas****White P. Rocks****Barred P. Rocks**

kind for sale. Special bargains in Cockerels if taken at once.

Northrup Strain, Winners of many prizes.

Eggs, \$2.00 for 15; \$3.50 for 30.

Pure Fishel Stock; as good as the best.

Eggs, \$2.00 for 15; \$3.50 for 30.

Thompson's "Ringlets." Eggs, \$1.50 for 15; \$2.50 for 30. A few good birds of each

C. H. LEDFERD

81 Whitehall St.

ATLANTA, GA.

Barred Rocks at a Bargain

100 PULLETS AND HENS, 50 COCKERELS, AT \$1.00 TO \$5.00 EACH

All from my prize-winning strain, so well known throughout the South. Showed only Cockerels and Pullets at Raleigh State Fair in October, and won 1st, 2nd and 3rd Pullet, 2nd and 3rd Cockerel.

ORDER QUICK AND GET BEST SELECTION

A. E. TATE, = High Point, N. C.

removed to a small room and a solution of copperas added to the drinking water. They are kept here for a week or two, or until they show a complete recovery. If, on the other hand, after two or three days observations and treatment no improvement is manifested, the bird is killed and buried.—*American Agriculturist*.

* * *

Fountains Should be Washed.

Bowel trouble is almost sure to follow from the practice of giving milk and water from the same fountain on the theory that all the hen wants is a drink, and that either is satisfactory. If the fountain was scalded after having contained milk, and sunned frequently, there would be no harm aside from depriving the fowls of the water for which milk is at no time a substitute, but we have seen fowls watered in a pan sour with milk from the day before, and in a fountain the sides of which were covered with stale curd. While watering the chickens is a chore which children can attend to part of the time, they should never be given the sole charge of it unless it is wished to invite trouble.—*Wallace's Farmer*.

* * *

We were asked to call at a neighbor's house and endeavor to prescribe for a disease affecting his fowls. We found several dead, some apparently well and several in a bad way. The mouth, tongue and windpipe were coated nearly all over with the cheesy growth the doctor referred to.

We went to a drugstore and bought a small bottle of Loeffler's solution. We took some raw cotton, sharpened a stick and twisted the cotton on the end so that it would not come off. We then swabbed the cheesy spots every three or four hours and put a piece of white oak bark in the drinking water. The sick fowls all recovered, but had they been our fowls we would have used the hatchet on all that had the disease. It is too great a risk to keep sick chickens on the premises when you have from one to three thousand hens.—*J. L. Hisar in Reliable Poultry Journal*.

Stansbury's White Leghorns

have proven to be best in South by winning 9 1st prizes and 6 2d prizes in three of largest Southern shows in 1905. What better proof do you ask? I am now booking orders for eggs at \$1.50 per 15, \$7.50 per 100, from these winners.

S. S. STANSBURY, Richmond, Va.

Walker's Barred Rocks and White Wyandottes

ARE BRED TO WIN AND DO IT

We won in Madisonville show on B. P. Rock 2nd Cockerel, 2nd Pullet, 2nd Pen and Special, and 1st Cockerel, 2nd Pullet, 1st Pen on White Wyandottes. In the great Knoxville show we won 1st Cockerel, 2nd Pullet, 3rd Pen and Special on White Wyandottes. Have Brown Leghorns that will win. Eggs from prize-winners \$2.00 per 15. Write us your wants. Satisfaction guaranteed.

WALKER BROS., R. F. D. No. 1, Madisonville, Tenn.

THE BUSINESS MAGAZINE

Covers the Whole Field of Business

DEPARTMENTS:—"Survey of the Business World," "The World's Commerce," "Advertising," "The Store," "Editorial."

Ideas and suggestions in each number that are worth the subscription price for a year. The best advertising medium in the South for all who wish to reach merchants and manufacturers.

SPECIAL OFFER—The subscription price of the *Business Magazine* is One Dollar a year. We will send the *Business Magazine* for six months, as a trial subscription, for 25 cents. Address

THE BUSINESS MAGAZINE CO., Knoxville, Tenn.



White Leghorns as They Grow at Lonoke, Ark.

Some Uses for the Egg.

White of an egg for sealing packages is the equal of musilage.

The white of an egg spread over a burn will exclude the air.

For inflamed eyes the white of an egg beaten to a froth is soothing.

The yolk of an egg rubbed into the hair and rinsed out with warm water, will cleanse both hair and scalp.

White of an egg spread on the skin where a mustard draft is to be applied will prevent the severe burning.

For a boil or inflamed place on the body cover with the lining membrane of the egg. It will draw soreness out.

An egg well beaten, with sugar and 2 tablespoonsfuls of good wine or 1 of brandy is strengthening for old or weak.

To prevent the juice of pies from soaking into the crust, rub the bottom crust well with the stirred contents of an egg.

Pickled Eggs.

Put twenty eggs in a saucepan with more than enough boiling water to cover them, and boil for thirty minutes. Then take out and put into cold water; remove the shells and place in a jar. Then pour a half dozen large cupfuls of brown vinegar into a saucepan; add half an ounce of mace; half ounce white ginger, half ounce coriander seed, half ounce caramons and cloves and ten cayenne pepper pods; also one ounce of sugar, and boil for a few minutes. As soon as the pickle is cold pour over the eggs and cover them.

Better to have tried a hundred times and failed than never to have tried at all.



ACTS LIKE MAGIC

WRITE

MAGIC FOOD CO.
CHATTANOOCO, TENN.

2 lb. boxes 25c. 10 lb. bags 75c
SOLD EVERYWHERE

Thomm's
PART RIDGE WYANDOTTES
Standard Bred

EGGS FOR HATCHING

BREEDING PEN No. 1 contains 5 beautifully penciled hens with winter record of 110 EGGS in one month. All sired by

FIRST COCK CHICAGO SHOW, 1904

Eggs from this prize-winning pen, \$3.00 per 15.

H. C. THOMM, 2372 Fulton St., Toledo, Ohio

The QUEEN & CRESCENT ROUTE

Is over two hundred and fifty miles the shortest and twelve hours the quickest line from points reached through Chattanooga, Atlanta, Birmingham and Meridian to Shreveport, Dallas, Ft. Worth, El Paso and points reached through these gateways. Operating the most modern vestibule trains with through sleepers and dining cars to both Shreveport and New Orleans. For cheapest rates, schedules and other information apply to

C. H. SMITH, Gen. Pass. Agt.
New Orleans, La.

R. J. ANDERSON, Asst. G. P. A.
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SOUTHERN AGENCY Model Incubators AND POULTRY SUPPLIES

Prepared Chick Feed, . . .	50 pounds, \$1.50 . . .	100 pounds, \$2.50
Hen Feed, Mixed,	50 pounds, \$1.25 . . .	100 pounds, \$2.25
Thermometers { Incubator,	55c, postpaid	
} Brooder,	40c, postpaid	
Punch for Marking Young Chicks,	25c	
Leg Bands, 20c doz., postpaid.	Lice Powder, 15c, postpaid, etc.	

F. J. MARSHALL, Atlanta, Ga.

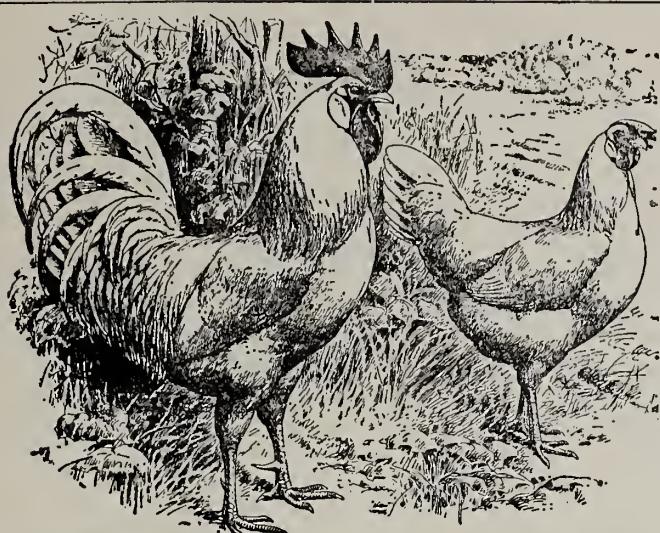
Marlin
REPEATING SHOT GUN
NEW MODEL NO 17

Here is the cheapest good gun yet made. By the omission of the take down feature we have been able to greatly reduce the cost of production and at the same time have kept the gun up to the famous high Marlin standard of strength, safety and durability. Notice the clean simplicity of this gun. The workmanship and finish are perfect. The weight is only 7 pounds. The full choke barrels are especially bored for smokeless as well as black powder and so chambered that 2 $\frac{3}{4}$ inch or 2 $\frac{1}{8}$ inch shells may be used. Several improvements in the operating parts make it the easiest, most reliable and best working gun in existence. We are glad to make it possible for every lover of guns and bird shooting to get this high grade repeating shot gun at so low a price.

Have your dealer order it for you.

Send for the Marlin Catalogue and Experience Book to-day. Free for 3 stamps.

The Marlin Firearms Co., 42 Willow Street, New Haven, Ct.



R. C. Brown and S. C. White
LEGHORNS
...AND.
S. C. Black Minorcas

FINE PENS TO SELL

I breed to lay winners in the best shows. Cockerels from hens that laid 253 eggs in 1904. These birds will improve your strain in laying, as they are bred for this purpose. Write me.

FRED AXLEY
SWEETWATER, TENN.
Route No. 5

Victory over All

On our White and Buff Wyandottes at Bristol, Tenn., Feb. 1, 2 and 3. My first prize white pullet score, 96 $\frac{1}{2}$ 3.95 $\frac{1}{2}$, pen 188 $\frac{1}{2}$, won everything in Buffs at Knoxville and nearly everything at Bristol. If you want prize winners get your eggs from

M. D. ANDES, Bristol, Tenn.

Half Grown Chicks

as well as laying hens must be made to work. It's not fat, but growth in the one and eggs from the other that you want. You want a food that answers equally well for both. Use

Darling's Scratching Food,

It Makes the Eggs Come.

Throw it in the litter. You'll be surprised at the industry you'll get out of hens and chicks. They'll do most any amount of work to get it. And they'll be singing all day long. **Nothing but the highest grade products in it.** Contains the seeds, grains and meat products that their appetite craves, the ones that do them the most good.

Price \$2.00 Per 100 lb. Bag, F. O. B. Chicago or New York, Cash With Order.

For best results you should get acquainted with Darling's Standard Line of Foods. No other so uniform or of such high quality. We guarantee that.

Darling's Beef Scraps and Beef Meal, Bone products and other foods are absolutely fresh and sweet. The following in 100 lb. bags are f. o. b. Chicago or New York: Laying Food, \$2.00; Forcing Food, \$2.00; Chick Feed, \$2.50; Mica Crystal Grit, 65c; Oyster Shells, 60c. Cash with order.

We're Growing. A New York Factory for Eastern trade and a fine, large, new catalog. It shows what Darling & Company are doing in the poultry world. It's a book you want. Free. Address nearest office.

DARLING & COMPANY,

Box 41, Long Island City, New York.

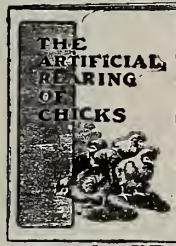
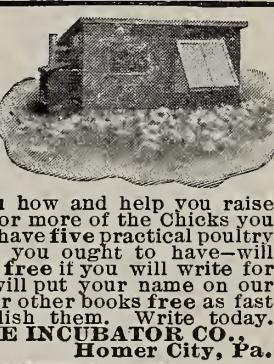
Box 41, Union Stock Yards, Chicago.

WOULDN'T YOU Like to Raise 90% of the Chicks You Hatch ?

This season of the year the subject of rearing Chicks is one of vital importance. It isn't so much trouble to hatch chicks, with the modern incubator, but to raise them—there's the rub. The secret of successfully rearing chicks is mainly a question of proper feeding and brooding. In our free book, "**The Artificial Rearing of Chicks**", we give you the correct principles of proper feeding for different aged chicks—when to feed, how to feed, what to feed, etc., so plainly set forth that you can't fail. The greatest loss of chick-life, however, results from poor brooding facilities. Our free

Brooder Book describes the apparatus that will help you to brood your chicks properly.

Write for the Chick Book and the Brooder Book and they



PRAIRIE STATE INCUBATOR CO.
51½ Main Street, Homer City, Pa.

Winter Egg-Laying Contest.

Consul Daniels reports from Sheffield a novel egg-laying competition at the Lady Warwick's Ladies' Agricultural College. The conclusions reached are that breed does not govern so much as the laying strain or families of a breed highly developed as egg producers. The pen of four Buff Orpingtons led from October 16 to November 16 by producing 49 eggs, and again November 16 to December 16 with 120 eggs. One thing the present competition shows is the little help it is to birds to be what show enthusiasts call "beautifully marked," for as often as not it is the ordinary looking competitors, birds a show judge would laugh at, that have the biggest total of eggs to their credit. In the winter laying competition which stands a bird in good stead is not that its father was the winner of a medal, but that its mother and its grandmother were wonderful layers, and that its male parents also came of a good laying strain.—*U. S. Consular Report.*

Why Hens Do Not Pay.

Hens do not pay when their owner loses sight of the fact that they need food and a certain amount of care, just as do any other living thing. The man who keeps hens too often thinks that they absolutely need no care whatever, and that they should gather everything they eat from the scrap piles around the house and barn; that they should roost in the tree tops and drink from the filthy pools where the hogs are allowed to wallow. If by chance they have a house to roost in, it is never cleaned during the entire year, and lice are allowed to have full possession. The old hens are kept until they die of old age, and no effort is ever made to improve the vigor of the flock.

Is it surprising that hens treated this way do not lay and that they are not profitable? Try a different way this year and see if things do not change for you.

Talk That Tells.

E. E. Carter, Knoxville, Tenn., the Brown Leghorn specialist, received the following letter:

A. E. GREER

BREEDER OF

Single Comb Brown Leghorns exclusively
HENNESSEY, OKLA., March 4, 1906.
Mr. E. E. Carter, Knoxville, Tenn.:

KIND SIR—I got two settings of eggs from your World's Fair pens (B. & C.) last year and was well pleased with them and especially with the cockerel line which hatched well. I got a fine 94 point cockerel and five splendid pullets.

Eggs from your pullet line did not hatch so well but got a pullets that five different judges passed up perfect on back and wing and scored her 94 $\frac{1}{2}$ points.

The hawks bother, so I only raised seven but their quality was excellent and when I need anything in your line will remember your kind treatment.

Respectfully yours,

A. E. GREER.

"I think," said the patron of the cheap restaurant, "I'll take a shirred egg." "Aw, g'on!" cried the new waitress. "Quit kiddin' me." "What?" "Aw, you can't fool me. I used to be a seamstress, and I guess I know it ain't possible to make gathers or tucks in an egg."

A Psalm of Farm Life.

Tell me not in broken measures
Modern farming does not pay.
For the farm produces chickens,
And the hens—do they not lay?

Eggs are high and going higher,
And the price is soaring fast;
Every time we get to market
It is higher than the last.

Not a coop but it produces
Every day an egg or two;
So each farmer gains his millions,
Even though the hens be few,

Every egg is very precious,
And the hens are held in awe;
When a hen begins to cackle,
Then the farmer goes 'Haw, Haw!'

In the broad and busy farmyard
Struts a rooster now and then,
But the shrewd, bewiskered farmer
Only notices the hen.

Trust no rooster, how'er showy
Be the feathers in his tail;
Pay attention to the biddies,
And your wealth will never fail.

Lives of farmers all remind us
We may roll in wealth some day,
If we hustle to the market
With the eggs our pullets lay.

—Chicago Chronicle.

Brooder Advice.

Heat up the brooder two or three days before the chickens are ready to put in so that it may be thoroughly warm. Put the brooder in a house or under a shed. I don't believe there is a brooder made that can be successfully operated in the yard without some kind of protection from winds, rain, sleet and snow.

Don't over-heat the chicks or let them get chilled. Feed on corn bread, grits, cold rice and skimmed milk. If it is necessary to feed corn dough put a little black pepper in the meal and pour boiling water over and stir—just enough water to make a crumbly mash—and when cool feed.

Keep clean water where they can get it when they want it. Feed charcoal every few days. There is nothing that will keep them healthy like charcoal. It absorbs the poisonous gases in their systems.

Dig up each day a big bunch of clover. Put roots, soil and all in their run and watch them cover the bunch and eat the leaves like they were starved.

Be sure and give them all the grit they can eat; it is a necessity. They can not digest their food without it.

Don't let company or anything else keep you from filling the lamp and seeing that they are comfortable at night.

If a few die, do not get discouraged and neglect the rest.

Keep the brooder clean.—Mrs. L. Simmons.

Poultry Mill.

Mary's father was trying the experiment of raising chickens with an incubator in his barn. The neighbors were much interested in this experiment, and meeting Mary one of them asked, "Mary, have you any little chickens at your house yet?"

"No, but we're making some," replied the little maiden.—Lippincott's.

Now is the time to place your orders for Eggs

You cannot get them from a higher class stock than you will find at....

BELLE MEADE POULTRY FARM

Over 100 regular prizes and fine specials at two leading shows on our Barred, White and Buff Plymouth Rocks, White and Buff Wyandottes, Buff and Brown Leghorns, Buff Cochins, Buff Orpingtons, R. I. Reds, Buff Cochins and Golden Sebright Bantams and Pekin Ducks. A few cockerels at a bargain. Circular tells all.

**BELLE MEADE POULTRY FARM,
ROUTE No. 2, BIRMINGHAM, ALA.**

**BRED FOR UTILITY
BRED TO LAY**

RED, WHITE AND BLUE

**BRED FOR FANCY
BRED TO WIN**

At Sandy Creek, Phoenix and New York State Fair, the hottest shows in New York State in 1904-05, I won 76 prizes and special on my Blue Barred Rocks. Brahmans, Rocks, Reds, Leghorns, Minorcas, Wyanottes, Bantam, Eggs \$1.00 and \$1.50 per 15. Hatch guaranteed. Rouen Duck Eggs \$1.25 per 11; Toulouse Geese Eggs 40c. each. Catalogue free.

PULASKI, N. Y., Jan. 6, 1906.
Dear Sir:—Out of the 26 eggs I purchased of you I got 26 chicks,
11 of them were pullets, and yesterday I got 11 eggs, and get from 6 to
10 eggs every day. Yours truly,
THOS. WILDER.

MAPLELING POULTRY YARDS, H. DAILY, Propr.

Box S.

PULASKI, OSWEGO CO. NEW YORK.

BUFF ROCKS

that are clear buff—that have the Rock shape—that are good show birds and breeders—that have no equal as table fowls and winter layers—and are being sold at reasonable figures, quality considered. Nothing better.

Eggs from nearly solid buff birds, . . . \$3.00 per 15

Eggs from practically clear buff birds, . . \$4.00 per 15

B. E. JOHNSON, - Kirkwood, Mo.

Barred Plymouth Rocks

Won at Knoxville Show

1st Cock	2nd Hen	2nd Pullet	3rd Cockerel
1st Hen	2nd Cock'l	2nd Pen	4th Pullet

Yard headed by 1st Cock, Brother to 1st Cockerel,
Providence, R. I., 1904; 2nd, Boston, Mass., 1904-5

Cockerels for Sale.

Eggs \$2.00 per 13.

MRS. W. R. MADDEN, South Knoxville, Tenn.

Single Comb Rhode Island Reds

Best pedigreed line bred stock. Winners this season at Birmingham, Montgomery, Mobile, Houston, Tex., Atlanta, Ga., Aberdeen, Miss., and Nashville, Tenn. Cockerels from \$3 to \$10; no pullets. Eggs, \$3 for 15. A setting will produce you winners. Order now.

L. K. TERRELL, 304 Tuscaloosa Ave., BIRMINGHAM, ALA.

HARDIN'S
S. C. WHITE LEGHORNS, WHITE WYANDOTTES
AND S. C. BLACK MINORCAS'

will please you to a high degree. Unquestionably the greatest combination laying and exhibition strains in existence. First Prize Winners at recent Atlanta and Knoxville shows.

'**200 CHOICE LEGHORN COCKERELS AND PULLETS** for sale at very attractive prices to quick buyers.

EGGS FOR HATCHING from prize matings; Leghorns \$2.00 per 15 Wyandottes and Minorcas \$3.00

Catalog for the asking, address
VALLE CRUCIS FARM
W. H. HARDIN, SUPT. VALLE CRUCIS, N. C.
STATE V. P. NAT. S. C. WHITE LEGHORN & WHITE WYANDOTTE CLUBS

Single Comb Buff Orpingtons

MRS. J. A. MARTIN, Johnson City, Tenn.,

Breeds the Winners in S. C. Buff Orpingtons

1st and 3rd Cockerel, 1st and 4th Cock, 1st, 2nd and 3rd Hen, 2nd, 3rd and 4th Pullet, 1st, 2nd, 3rd and 4th Pen, at Knoxville, Tenn., show, January, 1906.

Eggs and Stock at Any Time.

WHITE WYANDOTTES

LINE BRED FOR TEN YEARS

Write for our booklet and prices if you want eggs to produce blue ribbon winners.

At Charlotte Show, 1906, our birds won 18 out of 22 ribbons, including all firsts.

Our booklet will tell you all about our birds and what they have done in the shows.

CHARLOTTE POULTRY FARM

F. M. SHANNONHOUSE, Prop.

R. F. D. 4, Charlotte, N. C.

WHERE POULTRY PAYS

Poultry pays best where the Local Markets are the best.

The great factory towns along the

SOUTHERN RAILWAY

need an increased poultry supply.

Investigate openings for the poultry business in the sections reached by the Southern.

For information apply

GUY L. STEWART,
Agent, Equitable Bldg.,
ATLANTA, GA.

W. L. HENDERSON,
Agent, 23 South Royal St.,
MOBILE, ALABAMA.

M. V. RICHARDS,
Land and Industrial Agt.,
WASHINGTON, D. C.

B. J. HILLIDGE,
122 West Eighth St.,
CHATTANOOGA, TENN.

Some Troublesome Insects.

The wireworm is a hard, slender, yellowish worm, not at all pleasant to look at or to have in the garden or field. It attacks sprouting kernels of corn, and other seed; it eats into potato tubers and various other vegetables; in fact, it does a great deal of damage whenever and wherever it gets the chance.

Wireworms are the young or larvae of click or snapping-beetles, the latter name coming from the habit they have, when placed on their backs, of suddenly snapping themselves in such a manner as to throw their bodies into the air (when they in most cases can fall on their feet).

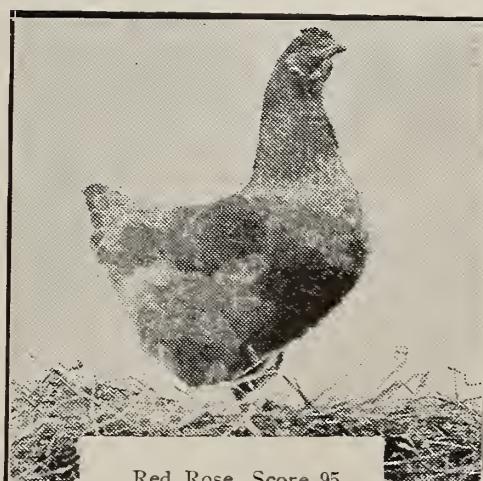
There are many kinds of snapping-beetles in the United States, and a corresponding number of kinds of wireworms, their young. A few live under the bark of trees or in decaying wood; most, however, live in the ground and feed upon seeds and the roots of various plants, often causing much loss.

The eggs of these insects appear to be laid in the spring, usually, and from them the little wireworms soon hatch and begin to feed. It generally takes several years before the worms have fed enough to become full-grown, but when this condition has been reached, each forms a little cell in the ground during the latter part of the summer, and in this cell changes to an adult snapping-beetle, which remains in the cell till the following spring.

Treatment for this pest is not usually possible by means of poisons, though in some cases their numbers might be reduced by such methods. Probably the best way in which to control wireworms is by late fall or early winter plowing, repeated for two or three years. This destroys the wireworms by bringing them up to the surface of the ground, where, exposed to the freezing and thawing of the winter, many will perish or be devoured. Breaking the cells above described appears to cause the death of the insects which occupy them, and thus fall plowing is useful for the destruction of this stage as well. Rotation of crops is unfavorable to the increase of wireworms, and should be practised for this reason if for no other.—*Farm Journal*.

How to Detect Adulterated Milk.

Dilute milk in water. The chalk, if there be any, will settle to the bottom in an hour or so. Put to the sediment an acid—vinegar, for instance—and if effervescence takes place chalk is present in the milk.



Red Rose, Score 95.

1st Pullet at Atlanta and Nashville, S. C. Rhode Island Red. Bred and owned by Frank Langford, Nashville, Tenn.

The Poultry Business.

This day of ours is often termed the "progressive age," and certainly the South has made such rapid strides in growth and all material development that our ever-changing conditions in so many points touching our productive capacity has naturally left us behind in many minor lines. One of these "minor things of major importance" is the poultry business. It is true, we have dealers and fanciers of all the many varieties of the different breeds; that we have been introduced to the wonders of the incubator and brooder; and that we have many poultry yards, still we witness the price ever advancing and the supply still more inadequate. We must wake up and grapple with this problem until we can at least supply all our local demand. We were raised up to consider the chicken a little family adjunct, or by-product of the farmer, to be used by the way of adding a toothsome variety to our table and a kind of necessity to be kept running around the premises to be caught and slain when extra company arrived, and especially to be sacrificed whenever the preacher appeared upon the scene, but now we are called upon to consider her as a money-maker—as one of the products of the farm that daily pays for her daily keep and the product that will yield a greater and more regular revenue upon the investment than any other. Many of us can remember ten or fifteen years ago, when often eggs went begging at ten cents per dozen, and fine, fat fryers were a drug on the market at ten and fifteen cents apiece. Look at the difference for the last two years. More than double these prices could have been realized the year around, and the supply totally inadequate to meet the demand. We must wake up and spread out. No farmer's wife, who will give poultry the attention it deserves, need ever be lacking in money to buy her a needed dress, book, paper, or little household article. No boy or girl but what could always have pin-money if they would learn to attend to the "hen that keeps laying right along." No farmer's daughter need go to town to clerk for "board and clothes," when she could make as much with less strain by directing her time intelligently to the poultry business. And it would do many of our men good and pay them well to consider how to raise 100 chickens which will bring the price of a bale of cotton, instead of striving so hard to increase their yield of the staple another season. We have to spend money every month in the year, let's have some coming in every month in the year. Do not overlook any profitable part of the farming industry that you can successfully handle. If you can raise more poultry, do so. If you can raise better poultry, do so. Do not keep scrubs without getting in some good variety to improve your stock. You can not lose anything by buying a good cockerel or a setting of fine eggs every year. Don't let's have our chicken coops and nests where our smoke-houses and corn cribs used to be. We are gradually moving them back down South, and let us have the "chickens to come home to roost" also.—*Southern Cultivator.*

A great opportunity will only make you ridiculous unless you are prepared for it.

EGGS READY for SETTING

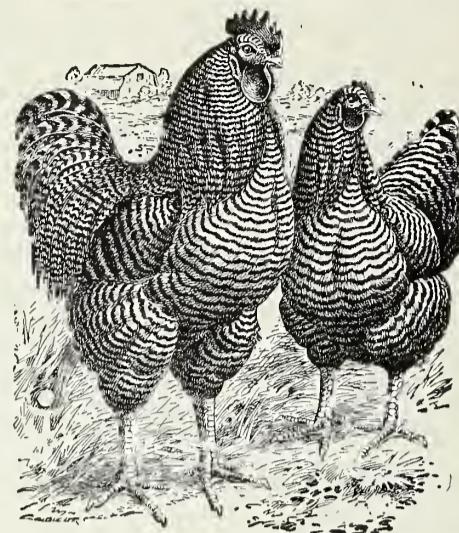
From First Prize Pen B. P. Rocks, Cockerel and Pullets.
Also R. I. Reds, pen headed by First Prize Cockerel.
Prizes won at the Knoxville Show, Jan. 06.

Orders Already Booked, Better Place Yours Now

EGGS, \$2.00 per 15

**Two Fine Mocking Birds, Three Years Old
For Sale**

**J. P. McMULLEN
KNOXVILLE, TENN.**

**GIDEON O. HARNE'S MINORCAS**

The World's Undisputed Champions, Developed by Careful Selection from Foundation Stock of First Prize Winners. Bred for Vigor, Beauty of Shape and Laying Qualities, True Winners of the Blue.



Cochins, White Leghorns, and White Plymouth Rocks. Place your order quick and avoid the rush.

GIDEON O. HARNE, V.-Pres. Black Minorca Club for Maryland

Box 138, Wolfsville, Md.

**OUR 1906 CATALOGUE OF
STANDARD POULTRY SUPPLIES
IS NOW READY FOR DISTRIBUTION**

It is filled with valuable information on POULTRY RAISING FOR PROFIT, with illustrations of Incubators, Brooders, Portable Poultry Houses, Poultry Foods, Insecticides, Poultry Remedies and Poultry Appliances; 64 pages in all—with over 100 illustrations. It is yours for the asking.

**THE J. M. CONNELLEY CO.
311 Meeting St. CHARLESTON, S. C.**

**DON'T BUY
TRAP NESTS**
Without first writing for the Catalogue of
SUPERIOR TRAP NESTS to
J. A. BICKERDIKE, The Trap Nest Man, Box H, Millersville, O.

**Buff Plymouth Rocks and Buff Leghorns
SPECIALTIES**

Eggs for hatching \$2.50 for 15, express paid. Twelve eggs in each 15 guaranteed fertile or we will duplicate at half price.

WM. P. WOODWORTH

Disston City, Fla.

THE MINORCA FARM

Has the Heaviest Single-Comb Black Minorcas in this section. Prize-winners at Atlanta, Dec.

1905. EGGS, \$2 for 15; incubator eggs 5 cents each. DAY OLD CHICKS SHIPPED SAFELY. WRITE FOR PRICES. **MERRILL CARLTON, Prop., College Park, Ga.**

SUCCESS WITH POULTRY

There is no success with Poultry unless your Foundation Stock is the Best.

THE PALACE POULTRY YARDS**J. T. SNELSON, Proprietor.**

Breeders of High Class Black Minorcas, White Minorcas, Buff Rocks, White Rocks, Barred Rocks, Buff Leghorns, White Wyandottes.

BIRDS FOR SALE ~ EGGS IN SEASON

We have a fine lot of Homer Pigeons for Squab Raising. Prices on Application.

Ours is the largest and most extensive Poultry Plant in South Carolina. It will pay you to visit our place.

Congress and Sumter Sts.,

CHARLESTON, S. C.

**FOR SALE
3 BERKSHIRE BOAR PIGS**

Tracing back to Gold Standard and out of good sows

POULTRYWe can furnish THE BEST in
EGGS AND STOCK
of any of the Standard Breeds of fowls. Incubator Chicks. Write for prices**UNIVERSITY FARM, KNOXVILLE, TENN.****WINNING BROWN LEGHORNS**

My birds prove the claim wherever they are shown. They never meet defeat. At Birmingham, Montgomery, Chattanooga and Knoxville, Jan. 17-19, 1906, in the hottest class ever shown in the South, I made clean sweep in Cockerels, winning 1st, 2nd and 3rd, and had my full share of the other prizes. Send for circular.

EGGS \$2, \$3 and \$5 per 15. \$6 per 100 for Incubators**M. S. COPELAND, Powell's Station, Tenn.****\$7.50—EVERYBODY'S INCUBATOR**

Will do the same work as the \$17.00 incubator, hatch as many fertile eggs and as strong chicks in the same time with the same amount of work. Why pay \$17.00? Everybody's Incubator has double packed walls with four dead air spaces, double glass door, automatic regulator, needs no moisture, new style nursery tray and sanitary removable bottom, full height legs and holds 120 eggs. Has the same kind of a guarantee that goes with the high priced incubators. Some manufacturers put \$0 worth of high priced varnish and shiny brass on their incubators and but \$7.00 worth of hatchability. Shiny flummery don't cut any figure on the fertile egg, it's the hatchability that does the work. Everybody's Incubator is most all hatchability. It is warranted to give perfect satisfaction or money back. It's the business hatcher for the business poultry raiser. Send for free circular telling all about this great hatcher.

GOUVERNEUR INCUBATOR CO., 219 Main St., Gouverneur, N. Y.

The Clover Hill Chicken Roost

CHARLESTON, S. C.

DR. T. M. SCHARLOOCK, Proprietor.

Rose Comb White Leghorns, Single Comb White Leghorns, White Rocks, Buff Wyandottes and Golden Sebright Bantams. SURE WINNERS WHEREVER SHOWN.

If the best is what you want, I have them. White Wyandottes and Mammoth White Pekin Ducks. Eggs \$1.25 per setting. Bred for utility as well as beauty.

G. S. McNABB, Erwin, Tenn.

Running An Incubator.

JNO. J. MILLER, JR.

The incubator has come to say. The hen is all right to lay the eggs but she is a back number when it comes to hatching them. If good results are to be obtained you must have good fresh, fertile eggs, from healthy fowls; eggs from unhealthy fowls are not the kind that hatch strong, healthy chicks. Over large and very small eggs are not good for hatching. Always select medium size eggs as they will always prove best for hatching. When the temperature is kept too high it will have bad effect on the eggs. Be sure not to let the temperature get too high when the eggs are hatching as it



I'm a Little Buff Orpington Incubator Baby.

will cause many to die. Eggs should be aired every day. To air the eggs take the tray from the incubator and set it on a table, but be sure to close the glass door so that the incubator will keep its same heat. When the tray is put back in the incubator the temperature may be quite low but the temperature will soon go back to its right heat. Do not put the incubator in a place where it may be jarred, and be sure not to jar the eggs when turning them. The eggs should be turned twice a day, morning and evening until they begin to hatch then the turning should stop. Don't open the glass door while the chicks are hatching as this will cause the chick to stick to the shell and be slow about hatching.

Many a fine setting of eggs has been spoiled on account of not having a good thermometer; always have a good thermometer.

After the chicks are all hatched they should be taken from the incubator and put in a warm brooder. The chicks should not be fed for twenty-four hours after they are hatched; they should always have plenty of fresh water to drink.

The editor gladly gives place to the above from a thirteen year old boy—a real fancier. He would be glad if others of his young friends would write.

The cheapest feed that I know anything about that will produce eggs is boiled potatoes and beef scraps, in the proportion of four parts potatoes to one part beef scraps. In this combination I am assuming that the poultry keeper makes his own beef scraps and also uses a grade of potatoes not worth over 10 or 15 cents a bushel.

Why Incubator Chicks Die in the Shell.

There seems to be a wide and varied opinion as to why chicks die in the shell. Many claim, which is true in a sense, that the germ is weak, caused by too close inbreeding. It is true also that we find weak germs at times when the parent stock is not related.

Too close confinement, with little or no exercise, or improper feeding will also cause chicks to die in the shell, the germ not being strong enough to withstand the various changes during incubation.

The writer is fully convinced after careful demonstrations, that while the above causes are partially true, the main cause is improper ventilation;—that chicks suffocate from insufficient air. The ventilation of almost all makes of incubators remains practically the same from the beginning to the end of the hatch. While this ventilation may be just right at some stage of the hatch, it certainly is not right all the way through. If the proper amount of air passes through at the beginning of the hatch, the ventilators being of a given and stationary size, then as the chick grows it must have a greater amount of air, and as it is not forthcoming, suffocation follows.

The system of ventilation in incubators of today is such as to cause a draught, drying the eggs too fast, causing the membrane or lining beneath the shell of the egg to become tough, so much so that at hatching time the chick is unable to break through, many even dying in the shell after being pipped; whereas, if this membrane could be kept soft and brittle as when fresh laid the chick would easily have picked its way out.

For an illustration suppose we go back to the first incubator, old Biddy. Take for instance the nest of the hen of bird, in both cases they are made of straw, hay, grass, or some such substance that permits the aim to continually pass through in and out of the nest, supplying at all stages of the hatch just the proper amount of ventilation, and that without the least particle of draught, causing the eggs to dry down gradually, keeping them moist, in other words at the proper degree of humidity, and usually good hatches result—in the case of the bird invariably 100 per cent. for we seldom see an egg left in the nest after the hatch is over. I mention these facts to show that if the proper amount of ventilation was supplied at all stages of incubation and that without draught, far better results would follow.

By placing a hygrometer under a setting hen the humidity or moisture will register about 60 per cent, while in almost all makes of incubators less than half that amount will be shown. Herein lies the cause of such poor hatches in high altitudes, the air passing too rapidly through the incubator, taking the moisture from the egg too fast, drying and toughening the membrane until the chick can not break through.

To demonstrate that chicks die in the shell from lack of ventilation, and to prove the fact that the nests of the hen and bird have the correct and only perfect system of ventilation, I have made (with the permission of a prominent incubator manufacturer, whose machines are fully protected by U. S. patents) an incubator of straw instead of boards as is universally used, the only other change made was, that instead of using a two



No. 6: Score 93. Egg Record 197.

A HAPPY COMBINATION For UTILITY, FINE POINTS, PLEASURE BAYNE'S EGG RECORD STRAIN of WHITE WYANDOTTES

What we are all after, the ideal combination of heavy layers and prize winners—I've got them

At Knoxville show I won 3rd Cock, 2nd Cockerel, 3rd and 4th Hen, 4th Pen. At Bristol show I won 1st Cock; 1st, 2nd, 3rd, 4th Hen; 2nd Cockerel; 1st and 3rd Pen. Five Hens shown scored 95 $\frac{1}{2}$, 95 $\frac{1}{2}$, 95, 94 $\frac{1}{2}$, 93 $\frac{1}{2}$. Average egg record 197.

Eggs \$2.00 a Setting, \$8.00 per 100

T. L. BAYNE, Russellville, Tenn.

SINGLE COMB WHITE LEGHORNS, WHITE LANGSHANS AND CORNISH INDIAN GAMES

We are anxious to get your business and will do all that we can to please you. Our pens are all that one could want, and the eggs are testing strong in fertility. Write today for our circular or order direct from this advertisement. We ship promptly and in light coops and carriers. We absolutely guarantee to please you. Price of eggs \$1.50 for 15. Stock a matter of correspondence. Be sure and get our premium offer. All inquiries promptly answered.

Mammoth Imperial Pekin Ducks; no stock for sale. Eggs \$2.00 for 11.

TURNERS' POULTRY YARD,

ALCOOD, TENNESSEE

Lock Box 200

Wy-Rock Poultry Yard, CRASS & McDOWELL, Props. CHARLESTON, S. C.

Breeders of White and Barred Rocks, and White Wyandottes.

Eggs and Stock for sale. Satisfaction guaranteed. Reference: Any Charleston Bank. Look up our winnings at the great Charleston, S. C., and Atlanta, Ga., Shows, as well as at Augusta, Ga., and Charlotte, N. C.

HENRY'S BROWN LEGHORN PLANT

Guntersville, Alabama.

P. O. Box 207

Purer blood never stood on the straw,
And better layers you never saw.

No mistake about it. You can't do better than to give us an order for Eggs. Our pens will be mated January 1st, 1906, consisting of sixty breeders.

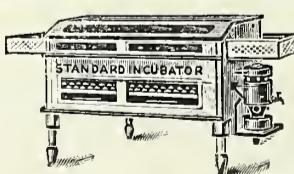
PRICE OF EGGS: From Business pens, 15 for \$1.00. From Exhibition pens (double mating system), 15 for \$2.00. Birds for sale.

HILL TOP POULTRY FARM

White Wyandottes, of Most Popular Strain in America

Those wanting first-class stock and eggs are invited to write or call on

A. H. CARPENTER, - New Middleton, Tenn.



INCUBATORS ON 30 DAYS TRIAL

Without paying us one single cent in advance. Our Standard machines are used and endorsed by thousands of successful poultry breeders. All the features of merit found in other machines worth having are combined in ours, which makes them the very best all-around business hatcher in existence. Large, handsome catalogue, with building plans, etc., free to intending purchasers. Address

THE STANDARD F. C. INCUBATOR CO., Dept. E, Rochester, N. Y., U. S. A.



THE 1906 RELIABLE

In all the wide field of incubator making, you'll find no better hatcher than this year's Reliable Incubator. Scientifically made, simple in operation, perfectly even temperature, no draughts, no hot spots; USES ONE-THIRD LESS OIL, has double heating system and AUTOMATIC regulation, and is sold on an absolute MONEY-BACK GUARANTEE. No other incubator offered on such liberal terms. W. H. McClanahan, Columbus, Miss., says, "The machine bought from you gave perfect satisfaction."—Free catalog explains all. Eggs for hatching shipped anywhere.

RELIABLE INCUBATOR & BROODER CO., Box A-401, Quincy, Ill., U. S. A.

**SOLD
ON AN
ABSOLUTE
MONEY BACK
GUARANTEE**

BRED WHITE STAY WHITE
J. LAKE HACKNEY
 Box 453, KNOXVILLE, TENN.
White Plymouth Rocks
EXCLUSIVELY.
 At Columbia and Knoxville shows won 26 regular and special premiums, winning all the first at great Knoxville show.
SEND FOR CIRCULAR

Barred Plymouth Rocks
BRED IN THE PURPLE
 The foundation stock is the best that scientific mating could produce or money buy. At great Nashville Show, Jan. 1-8, 1906, won 1st Cockerel, 1st Hen and 3rd Pullet, class of 300.
HARRY CLUB STRAIN
J. T. DAVIS, - Lewisburg, Tenn.



WHITE WYANDOTTES

(PURITY STRAIN)

Again prove their superiority by winning at Raleigh, N. C., Columbia, S. C., Charleston, S. C., in hottest competition, 3 Firsts, 1 Second, 1 Third, 1 Fourth, and 3 Special Ribbons.

Eggs from pens scoring 94½, 93¾, 93¾, 93¼, 92¾, with 1st Hen Columbia (Com.), \$3.00. From other choice pens, \$2.00.

YATES BROTHERS, - - Greenville, S. C.

EGGS

White Wyandotte
Bred to Lay. Bred to Win
\$3.00 per 15.

B. A. HASTINGS, - Gallatin, Tenn.

Hill Crest White Wyandottes—200 Egg-Laying Strain

Exhibition and Breeding Stock. Eggs and Stock for sale. Book your orders NOW.

C. B. THORNTON, - - Nashville, Tennessee

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 SEND us 10 cents in silver or stamps, together with the names of 10 persons who get mail at your postoffice who are interested in music, and we will send you our handsome magazine one year. We receive hundreds of subscriptions daily from persons who think our Magazine a bigger bargain than Harper's, Munsey's, Ladies' Home Journal or McClure's. This is a special offer for a short time only, so send at once. Our subscription price may advance to \$1.00 per year soon. Address, Burges Publishing Co., Dept. SH, Grand Rapids, Mich. 28

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S. C. B. LECHORN ::

and BARRED P. ROCK.
 Eggs for hatching \$1.00 for 15. Book your orders for good Eggs. No Stock for Sale.
TOPLAND POULTRY FARM,
 Blacksburg, Va.

inch pipe (which is the only size used by all manufacturers) to convey the heat from the heater into the incubator, I used one of four inch diameter, which furnished me with a much greater volume of pure warm air. Also in addition to the larger pipe I constructed within the outer wall of the heater a reservoir, containing water for evaporation. Hygrometer tests made with the heater without the reservoir showed the degree of humidity to be only 18 degrees, while with the reservoir containing water the humidity registered normal, or about 60 degrees. I am positive that the eggs to retain their natural condition must have added moisture, and some must be taken in with the supply of heat, and not from moisture pans, which affect only the eggs near them. With the above system the air is moistened to the normal condition of the hen, which by hygrometer test, is shown to be 60 degrees, and by being carried in with the source of the heat every egg is affected the same.

The machine constructed was of 200-egg capacity, walls 14 inches deep between the top and bottom. All four walls were made of straw. Instead of having for ventilators four openings of one inch, for ventilation, escape of foul air and gases, I used the entire four walls, which gave me upwards of 1,000 square inches. Just the same principle as the hen's nest, which is nothing more than the incubator; the hen is the lamp or source of heat. There was no other ventilation in the machine. I made several hatches with a percentage ranging from 90 to 94 per cent out of fertile eggs, and the finest, strongest chicks I have ever seen, no cripples, and no weak ones, and why? For no other reason than that the ventilation was right from beginning to end of hatch. These experiments were made in all kinds of temperature, varying from 98 degrees to below freezing. I further experimented with a brooder constituted in the same way; the chicks had at all times all the air necessary, and at this time with freezing weather are doing nicely. This demonstrates the simple fact that to secure good hatches and to prevent chicks dying in the shell the incubator must be made with more ventilation, and that the eggs must be incubated with the proper amount of humidity.—O. P. Scott.

The roosts should be low, especially for large, heavy fowls and should all be of the same height.



EGGS FOR HATCHING

White and Barred Rocks and White Wyandottes, extra choice, \$1.50 for 15. From prize-winning pens, \$2.00 for 15. Eggs for incubation, \$5.00 per 100.

REGISTERED BERKSHIRES: Satisfaction Guaranteed

WHITE OAK FARM
 Dr. W. B. HARDMAN, Prop. COMMERCE, GA.

If you ever HAVE ANY TROUBLE with your Incubator or Brooder LAMPS, you will find the Cause for it, and also the Remedy, explained in the chapter on Lamps in our new illustrated catalogue of Incubator and Brooder Supplies. Sent Free.

OAKES MANUFACTURING CO.
 Box 11 Bloomington, Ind.

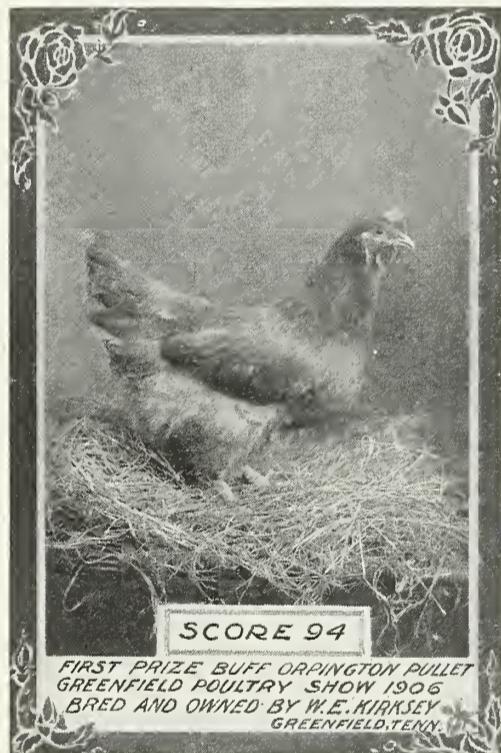
Poplar Hill Poultry Farm
 Silver Laced Wyandottes, exclusively. Eggs from 6 pens high scoring birds, packed carefully and safe shipment guaranteed. No stock. Eggs \$1 to \$3 per setting. For prompt attention order from DR. H. H. LEE,
 R. F. D. 4, Lexington, Va.

Edna, 2nd—A line bred pullet. Bred and owned by C. P. Hale (see that barring), Sweetwater, Tenn.

Selecting Eggs for Hatching.

The percentage of chicks hatched can be largely increased and their quality improved by more care in the selection of eggs for hatching. Old hens lay longer and better eggs for hatching than pullets, though not so many. The pullet eggs should be marketed and save those of the older hens and best layers for setting. The first two or three dozen eggs laid after a rest during the fall and early winter are nearly always the best and possess the highest fertility. This is the reason why the early chickens are the money makers.

In selecting eggs for hatching under the hen or for the incubator try and get them of uniform size and shape—not too large or too small, too round or too pointed. The shorter the time these eggs have to be kept before they are incubated the better, more prompt and more uniform the hatch. Eggs for hatching should be placed in a room of even temperature and should be turned part way over each day. On the day before they are to be placed in the machine or under the hen it is a good plan to stand them on the small end and leave them this way for twenty-four hours; this allows the yolk to come to its position in the center of the egg.



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In Two and Three Color Work

SHE EXCELS

HER EXPERTS will revise your "copy" or write your catalog.

HER ARTISTS will submit designs that will delight you.

Ask her prices—she will treat you right.

THE INDUSTRIOS HEN
KNOXVILLE, TENN.

BUFF! BUFFER!! BUFFEST!!!

Do you want Buff Plymouth Rocks that are BUFF? Our flock was founded on show birds, contains show birds and will produce show birds.

Buff without black is hard to produce, but we have it. "Gold King," a blue ribbon winner, was a bird absolutely all buff, and his sons are chips of the old block and head our yards. The entire flock contains, perhaps, a greater per cent of pure Buff birds, and fewer black or white feathers, than any flock in the South. Figs: 15, \$2.50; 30, \$1.50; 45, \$6.50; 105, \$12.00. If less than half hatch, will duplicate order at half price.

Eggs wrapped in paper, then in excelsior, placed between layers of excelsior and packed in baskets, will go any distance and safe arrival guaranteed.

50 CENTS

Clip this advertisement and send with first order and it will be accepted for 50 cents.
Address, L. M. DAMON, Blue Grass Poultry Yards,
MITCHELL, SUMNER COUNTY, TENNESSEE

C. M. EMORY 20 Fine Cockerels for Sale

ARLINGTON

KNOXVILLE, TENN.

EGGS FOR SALE

Silver Laced Wyandottes

1st and 3rd Cockerel, 2nd Cock, and
1st Pen, Knoxville, Tenn., 1906

Single Comb Buff Orpingtons

BRED TO WIN

Winnings at Birmingham, December, 1905: 1st Cockerel, 1st and 2nd Hen, 1st Pen, 3rd Pullet. Some good stock for sale. Eggs in season, 1st pen, \$2.50, for setting; 2nd pen, \$1.50; 3rd pen, \$1.00. Pen No. 1 headed by 1st prize Cockerel, Birmingham, 1905. Pen No. 2 headed by 1st prize Cockerel, Birmingham, 1904. Orders booked now for eggs. Satisfaction guaranteed.

C. W. HALL, = Brookwood, Ala.

T. J. CATE, R. F. D. No. 1, Athens, Tenn.

... BREEDER OF ...

Barred Plymouth Rocks and Black Langshan Chickens, Mammoth Bronze Turkeys, and Large Bone English Berkshire Hogs

Won First Prize on Bronze Turkeys and Embden Geese at Chattanooga Poultry Show, January, 1906

THE FUN'S ALL OVER—We must now "Get busy"

My Black Minorcas prove their superiority over the entire South by meeting and defeating every breeder of Black Minorcas in the South; by taking every first, second and third "except two," with a score of 94 to 95%. I have sold every bird I can spare. Don't write me for prices on stock. I have mated only one pen of 10 females, not a bird in this pen scoring less than 98%. Eggs \$2.00 for 13 straight. **H. B. LANSDEN**, Black Minorca Specialist, Guntersville, Ala.

ADAMS BROS.

Breeders of Barred Plymouth Rocks, Single Comb White and Brown Leghorns. Best Strains. Eggs \$1.50 per setting, \$5.00 per 100. Duroc Jersey Red and Poland China Hogs. Write for prices.

BRISTOL, VA.-TENN.

ARE YOU LOOKING

for prize winners in S. C. Rhode Island Reds, Barred, Buff and White Plymouth Rocks, Light Brahmans, White Minorcas, and S. C. White Leghorns, then order your Eggs for hatching from the

OAK GROVE POULTRY FARM,

Mrs. CLARA MEYER, Prop.

NORFOLK, VA., R. R. 2.

Price for setting of 15: 1st pen \$5.00, 2d pen \$3.00, 3rd pen \$2.00. Incubator eggs \$10.00 per 100.

**I CAN SELL YOU
Barred Rock Eggs**

from four yards of birds that have won during the past season at seven shows, in three States. Would like to send you my show record. They are fine layers as well as winners. Eggs \$3.00 for 13. Two Cockerel and two Pullet mating yards. You can have eggs from one or all. Write me. Reference: Any one in Charlotte, N.C.

B. S. DAVIS, Charlotte, N. C.

**POULTRY RAISING
MADE PROFITABLE. USE
Magic Food**

The great **Health Tonic and Egg Producer**. Fills the Egg Basket all the year, and keeps the **Flock Healthy**. Two sizes, **25c** and **50c**. Absolute satisfaction guaranteed in all cases. A valuable book on Poultry and some nice colored pictures for framing **SENT FREE** to all poultry raisers. Address

MAGIC FOOD CO.
CHATTANOOGA, TENN.
and send name of your dealer.

BUFF ORPINGTONS

Buff Orpingtons, S. C., direct descendants of winners Boston, Chicago, Indianapolis, Cincinnati and Louisville. Right Royal blood in and behind them and many "blues" awaiting them. My pens headed by *Prince Charming* (2nd prize cockerel Nashville) and *Prince Rupert*, grandson great Boston and Chicago cock. Select eggs \$3 for 15 or \$5 for 30.

**W. WHITE NEWBERRY
MOUNTAIN CITY, TENN.**

S. C. BROWN LEGHORNS

**PRIZE WINNERS
AT CHICAGO.**

I am selling eggs \$2 per 13; \$6 per 50. Have some fine cockerels for sale. Send for circulars.

WM. M. LUTHER
Box A, Morton Park, Ills.

"Glencoe Farms"
VERONA, N. C.

We desire to announce to the public that we have purchased the entire Biltmore Strains of S. C. and R. C. White Leghorns and S. C. Brown Leghorns acquiring all their prize winners, with interest and good will for said breeds in addition to the fine strains that we have been carrying. Barred Plymouth Rocks, White Wyandottes, Light Brahma, White and Partridge Cochins, White Crested Black Spanish, Bronze Turkeys and Muscovy Ducks and Mammoth Rouen Ducks.

We will be glad to quote you prices on stock and eggs.

F. M. PRIDGEN,
Superintendent.
M. M. GRANDIN,
Manager Poultry Department.

Error of Indiscriminate Breeding.

Sometimes it is more profitable to feed kitchen scraps to fowls than to the pigs. In fact, many farmers are too much given to neglecting their poultry, when with proper attention they could be made to bring a goodly amount of revenue.

One mistake is indiscriminate breeding. On some farms may be seen, running with the hens, cocks of different varieties—some of the setting and some of the nonsetting kind. This is not an exaggeration, although it is to be hoped that the practice is very rare. The progeny of such breeding certainly make very unsatisfactory setters. They will start off very broody, with an apparent determination to see the hatching through, but after a while they conclude there is no fun in such an occupation and will leave the nest.

It is better to have only one variety, and should they fail to measure up to a reasonable expectation under fairly good treatment a change should be made, not necessarily of a different breed, but certainly a change to a better laying strain.

The writer is aware that some people claim that success in setting eggs is merely a matter of feed and attention. There is much in this contention, but these, nevertheless, are not the whole thing, neither in breeding chickens nor any kind of farm stock.

News from Nashville

Poultry interests around Nashville and through Middle Tennessee are very much alive. Breeders of thoroughbred fowls all report an extraordinary good season, many being unable to supply the demand. The recent Nashville show had much to do with putting new life into the business, and it is safe to predict the next show will see many new faces among the exhibitors. The Tennessee State Poultry Breeders Association has been reorganized and propose to push the industry as it has never been pushed before in all parts of the state. The new officers are:

R. A. Bennett (City Treasurer), President.

Lockert Doak (Attorney), Vice-President.

Jno. A. Murkin, Jr., (Broker), Secretary.

E. F. Langford (Attorney), Treasurer.

Chas. Longhurst (City Marshall), Superintendent.

The above five officers, together with West H. Morton, T. Reid Parrish, Sam Davidson and W. D. Gale constitute the new Board of Directors.

All of the above gentlemen are prominently identified with Nashville interests and are all practical poultry men, and under the lead of R. A. Bennett propose to make the "chicken business hum."

Thus the breeds are all well represented in the new organization. THE INDUSTRIOUS HEN has become a very popular paper with the Nashville fanciers and all await anxiously its coming each month. Many fine birds are raised in this county and are being shipped to all parts of the country. Mr. John Boswell is having all the best he can do at fancy prices with his White Wyandotte winners as is also Mr. Frank Langford with his Reds. Nearly all the Nashville breeders will make a circuit next season of the Southern cities, and propose to give a good account of themselves wherever they go.

JNO. A. MURKIN, JR.

**Going
West?**

If so, write the undersigned for
Rates, Schedules, Maps, etc.

**12 HOURS
Quickest Time to Texas**

H. F. LATIMER,
Traveling Passenger Agent,
KNOXVILLE, TENN.

J. C. CONN,
Division Passenger Agent,
CHATTANOOGA, TENN.

**QUEEN &
CRESCENT
.ROUTE..**

 **Black Hawk
GRIST MILL**
A hand mill for country, village and city housekeepers. Fresh corn meal, graham, rye flour, etc. Fast, easy grinder made to last. Weight 17 lbs. **\$3.00. EXPRESS PAID.**
Soon pays for itself. You'll find a dozen uses for it. Grinds corn, wheat, rye, rice, spices, coffee, etc. fine or coarse. Just the thing for cracking grain for poultry. Black Hawk book FREE.
A. H. PATCH,
Mfr. of Hand Mills and Corn Shellers exclusively. Agents Wanted. Clarksville, Tennessee.

PHOTOGRAPHS
OF YOUR
BIRDS

for the purpose of having

1/2-tone Cuts

made should be sent direct to

**THE INDUSTRIOUS HEN CO.,
KNOXVILLE, TENN.**

The Best Cuts—The Least Money

Do you want

**Your Chicks to grow?
Your Hens to lay?
Your Business to pay?**

Do you want

**An Incubator to hatch
healthy chicks?
A Brooder to make 'em
grow?**

Then talk to me

**Headquarters for everything in
poultry supplies, poultry foods,
poultry books and publications.**

**JNO. A. MURKIN, JR.,
P. O. Box 6, NASHVILLE, TENN.
CIRCULARS FREE**

MURPHY'S

S. C. WHITE LEGHORNS

Win in the Hottest Company.

Birds Bred Right. Expertly Mated.

Eggs \$2.00 per Setting.

ORDERS BOOKED NOW

F. E. MURPHY, Huntsville, Ala.

10 SOUVENIR POST CARDS. Stunners, Comic, Korkers, no 2 alike, and our big magazine 1 year 10c. Leader Company, Dept. S. H., Grand Rapids, Mich.

GOLDEN BEAUTIES None Finer.

Few as Good. I Breed them Right and Sell them Right.

Eggs & **GOLDEN WYANDOTTES.**
Stock. J. W. KARNES, Greenfield, Tenn.

Advice to Smokers.

More smokers contract consumption from neglecting an ordinary precaution than from inhaling smoke, declared a physician at a banquet a few days ago. None of us care to infect the lungs with ordinary street dust, yet every consumer of cigars inhales a more detrimental kind of dust every time he lights a fresh specimen.

The majority of cigars have short inferior fillings, which contain lots of small particles of tobacco dust. Especially is this so of cigars that are handled a great deal, and of those that become very dry from age.

The ordinary smoker bites or cuts off the end and draws this dust into his lungs with the first puff. Often it only lodges in the throat, and produces irritation or hoarseness, with which most smokers are affected.

A safe precaution against such danger is very simple. Before lighting the cigar, merely blow through it, and you will see issuing from the large end the dust particles I refer to.—*Philadelphia Telegraph*.

Justice—Here you are again, Mokey, on a charge of stealing chickens. What have you to say?

Mokey—I 'spose Ise guilty, yo' Honah; but I finds dar's some extenuation succamstances.

Justice—How's that?

Mokey—Why, sah when a man what raises hens doesn't keep a dawg at this season ob de year, he's just trowin' temptation in de footsteps ob de unwary.

Beauty in one's surroundings feeds the soul. See to it, that your soul be not starved.

Poultry keeping is an exacting business. The four corner stones upon which success rests are:

- (1) Suitable buildings properly located.
- (2) The right food skillfully fed.
- (3) Good fowls carefully bred.
- (4) Facility and ability to hatch and rear chickens.

**BARRED PLYMOUTH
ROCKS**

Winners at Cincinnati, (Big A. P. A. meeting); Nashville; Louisville; Princeton, Ind.; and Owensboro, Ky. Thirteen out of 25 firsts, 9 seconds, 6 thirds, 5 fourths and 1 fifth, in competition with 825 Barred Rocks shown by 70 exhibitors from eight states.

OUR CUSTOMERS

Won in six prominent shows the past season on birds of our breeding.

Are you interested in good Barred Rocks that are bred on the proper lines? If so, write for our mating list and complete show record.

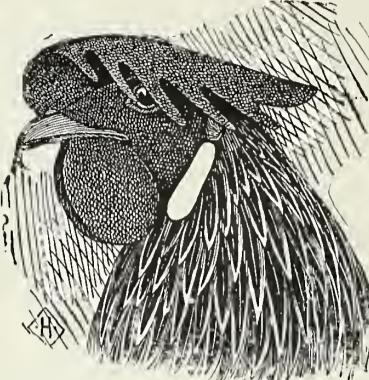
**EGGS, \$3.00 per 15
or \$5.00 per 30**

From pens headed by Champion male, Cincinnati; 1st Cock, Nashville; 1st Cock-erel, Princeton, etc.

Cloverbloom Poultry Yards

Benj. H. Baker, Mgr., Owensboro, Ky.

N. B.—Our birds have been line-bred for nine years and we never did at any time buy an egg or bird from the East; hence we advertise, sell and exhibit our birds on their individual quality, and when you buy from us you are not purchasing reputation but genuine Barred Plymouth Rocks at living prices.



**15 Eggs
15 Chicks
A Perfect Hatch**

"Augusta, Ga., March 22, 1906.

Dear Sir: Enclosed find money order for \$5.00 for which please send me a setting of your class "C" S. C. Brown Leghorn eggs.

I take pleasure in reporting to you that I received a perfect hatch from the setting which I bought from you the latter part of February—15 chicks from 15 eggs.

Yours truly,

EGGS: \$1, \$2, \$5 per sitting
Circular free—Ask for it.

J. H. HENDERSON, Knoxville, Tenn.
THE BROWN LEGHORN SPECIALIST

DO YOU NEED

Rubber Stamps?

THEN SEND YOUR ORDER TO

The Knoxville Stamp Co.

617 Gay Street

Knoxville, Tenn.

Eggs! Eggs! Eggs!

PORTER-GEORGE POULTRY CO.

BREEDERS OF

BARRED ROCKS
EXCLUSIVELY

SOUTHERN AGENTS FOR THE
CHAS. A. CYPER'S MODEL INCUBATORS, BROODERS AND SUPPLIES
KNOXVILLE, TENN.

Mottled Anconas....

GREATEST egg producers in the world. Eggs \$2 per 15. PARTRIDGE COCHIN. Fine for eggs; great for table, \$1 for 15.

WINCHESTER POULTRY YARDS,
J. H. Lattice, Prop. Winchester, Tenn.

Headquarters for
Poultrymen

HOTEL IMPERIAL

Knoxville's Most Modern
and Up-to-Date Hotel

LONG DISTANCE PHONES
IN EVERY ROOM

Rates \$2.50 and up. Rooms
with Bath, \$3.50 and
\$4.00 per day

AMERICAN PLAN

Columbia Poultry Yards

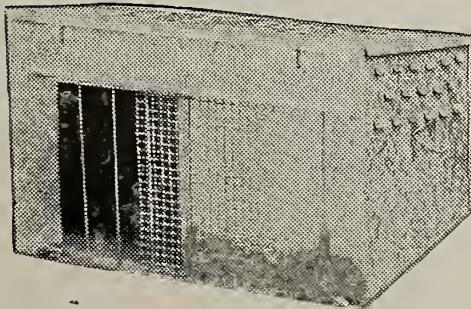
COLUMBIA, TENN.

We were the winners of the blue ribbons in our respective varieties at the Middle Tennessee Poultry Show, December, 1905:

W. S. McFall, S. C. Buff Orpington.
J. T. Mitchell, S. C. White Orpington.
A. W. Warfield, Buff Wyandottes.
D. K. Minor, S. C. Brown Leghorns.
E. L. Wilson, S. C. Buff Leghorns.
R. S. Hopkins, S. C. White Leghorns.
J. N. Grant, Buff Rocks.
W. V. Thompson, Barred Rocks.
Porter Bros., White Rocks.
J. W. Black, S. C. Rhode Island Reds.

Write for Prices and Mating List.
Satisfaction guaranteed.

FARMER'S FRIEND BROOD COOP



Vermin, Rat, Mink and Weasel Proof.

Made of No. 27 galvanized steel in sections. Easily taken apart, cleaned or stored. No loss from rats, lice or dampness, and this gain pays for the coop every year. We also manufacture a

FOLDING POULTRY COOP

For Marketing and Shipping Poultry

Made of galvanized steel wire. Very durable. Two inches thick when folded. Weight 25 lbs. Both coops are patented. Agents wanted.

C. HOSKINS & CO.
318 State Street, QUINCY, ILL.

Objects to Dogs.

The supervisor's report shows nearly \$200 paid by the county within twelve months for sheep killed by dogs. These worthless, hungry, mangy, vermin-eaten, bow-legged, lop-sided, snarling, sneaking, night-prowling, nosy, low-lived, swift-footed, annoying, shot-dodging, oath-provoking, poison-defying, backsiding, sorry curs ought to be annihilated totally and forever and let the sheep have a chance. Let the work of extermination go on day and night, including Sunday.—*Clinch Valley (Va.) News.*

Hair Re-grown

Mr. R. N. Ware, of Moscow, Tenn., writes: "I desire to state that three years ago I used the 20th Century Hair Tonic for baldness. It re-grew the hair on my head that had been bald for some time. It also makes the hair soft and youthful in appearance. I have as full suit of hair as I ever had in my life. I am now and have been Sunday School Superintendent of our Sunday School for 17 years."

For sale by all Druggists.

"Fest I Can Get."

Poultry breeders all over the country, no matter what variety is bred, know of the class of stock kept in the pens of the gentleman who writes the subjoined letter, and they know any statement he makes about things is right. Of Chamberlain's Perfect Chick Feed, he says:

W. F. Chamberlain, St. Louis, Mo.

Dear Sir—About this time I always get in my order for a few sacks of your Perfect Chick Feed, as I fully appreciate the fact that it is the best I can get, as well as most economical, for young chicks. I attribute much of my success as a breeder of high class Buff Plymouth Rock prize winners to having reared my young stock on Chamberlain's Perfect Chick Feed.

Respectfully yours,

B. E. JOHNSON.

Kirkwood, Mo., March 1, 1906.

We have had the pleasure of examining a new work on poultry plant construction entitled "Poultry Houses and Fixtures," and consider it unquestionably the most practical and authentic treatise yet issued on this important subject. The different types of houses are classified under Closed Front, Curtain Front and Scratching-Shed Houses and the construction of each house is plainly illustrated and described, as well as numerous appliances for the house and yard. The work consists of 96 pages with a handsome two-color cover, and contains 175 illustrations. We are able to send this book to our readers at the publishers' price of 50 cents per copy. Send in your order early and obtain the experience of successful poultrysmen before commencing to build.

The American Single Comb Brown Leghorn Club met at Cleveland, Ohio, February 1st, 1906. The following officers were elected for 1906:

E. E. Carter, President, Knoxville, Tenn.
E. W. Staebler, Secy. and Treas., Cleveland, Ohio.

H. M. Moyer, Eastern Vice-President, Bechtelsville, Pa.

Wm. G. Warnock, Western Vice-President, Genesee, Ill.

W. H. Wiebke, Northern Vice-President, Fort Wayne, Ind.

M. S. Coneland, Southern Vice-President, Powell's Station, Tenn.

S. W. Crosby, Central Vice-President, Newton Falls, Ohio.

The Club catalogue will be mailed by writing to the secretary.

EDWIN W. STAEBLER,
Secy. and Treas.

Cleveland, Ohio.

FLEMING'S Barred Rocks, White, Golden and Buff Wyandottes are good layers and sure winners. Eggs \$1.50 per 15, \$4.00 per 50, \$6.00 per 100. JNO. H. FLEMING, Warren Plains, N. C., R. F. D. No. 1. No trouble to answer letters.

SQUABS

Easily raised, ready for market, in twenty-eight days, 50 per cent more profit, 75 per cent less work than poultry. We are selling the finest Belgian Homer Squab Breeders in America. Information and prices free.

ROSEDALE SQUAB CO.

Box 72 Tallapoosa, Ga.

Barred Plymouth Rocks

Pope & Pope, the well-known owners of Cozy Nook Poultry Farm, announce matings for 1906, and are now prepared to furnish the very best eggs from their carefully selected and mated pens.



JEANETTE, Score 94½ Points.
First Prize Hen at Louisville, Ky.
A Typical Production.

They breed one of the purest strains in America to-day, and their birds are large, big boned, and deep barred. Their win of First Cock, First Cockerel and First Pullet at Louisville, with a long list of other premiums, puts the stamp of quality upon their strains, this being well told in a sensible catalogue containing much valuable information about breeding Barred Plymouth Rocks. Personal attention given all orders, insuring to each and every customer best results. They want their catalogue in the hands of every one expecting to purchase Barred Plymouth Rock eggs this Spring, and ask all such to be sure to write them. Their address is Pope & Pope, Rural Route No. 4, Louisville, Ky., care Farm 2.

J. Johnstone Fowles. I. Keith Legaré

FOWLES & LEGARÉ

COLUMBIA, S. C.

Breeders of Standard Poultry and Poultry Supply Dealers.

Eggs for hatching and stock for sale from White, Barred and Buff Plymouth Rock, White and Silver Laced Wyandottes, White and Brown S. C. Leghorns.

We now have some fine cockerels for sale at a low price. Write for circular.

JAMES E. THOMPSON
SPECIAL PHOTOGRAPHER TO
THE INDUSTRIOUS HEN.

Mr. Thompson has had experience in photographing fowls, and offers his services to the poultry trade. His work is guaranteed in every respect, and his prices are as reasonable as possible for first-class work. Leave your orders at the office of THE INDUSTRIOUS HEN, or telephone either Phone 65.

BUSINESS BRINGERS.

Breeders' Cards will be run under this head at the rate of one cent a word each insertion. No card taken for less than 25 cents. 25 words will be run for six months for One Dollar. Cash to accompany the order for all Breeders' Cards.

BANTAMS

BANTAM Eggs—Japanese, Sebrights, Games, Cochins. Send 2c stamp for circular; 20 varieties. A. A. Fenn Co., Box 5, Delavan, Wis. 26

FOR SALE—Golden Seabright Bantams, 1st prize cock at North Carolina Poultry Association show at Raleigh, N. C., Jan., 1905; 1st prize hen and 1st prize cockerel at Atlanta Fair, October, 1905. Price \$3.00 each. D. C. Jeffrey, West Raleigh, N. C. tf

CHAMPION Strain Buff Cochin Bantams—My winnings at Charleston, S. C.; Monroe, N. C., and Charlotte, N. C., prove them the Champions, not at one show and under one judge but at three shows with three different judges, viz.: S. T. Lea, F. J. Marshall and H. P. Schwab, losing in these three shows only two second prizes and one of those won by a bird that I sold. At Charleston on six birds and in the hottest competition of the season I won 1st cock, 1st and 2nd hens, 1st cockerel, 1st and 2nd pullets and 1st pen. At Monroe, N. C., on six birds, 1st cock, 1st and 2nd hens, 1st cockerel, 1st and 3rd pullets and 1st pen. At Charlotte, N. C., on twelve birds, 1st and 2nd cocks, 1, 2, 3 and 4 hens, 1st and 3rd cockerels, 1st, 2nd, 3rd and 4th pullets and 1st and 2nd pens. Some prize winning males for sale as well as some that have not been shown, at reasonable prices. A few settings of eggs for sale at \$3.00 per setting, but as I am only mating one pen the supply will be limited so if you want the best order early. W. R. Jeffrey, West Raleigh, N. C. tf

BLUE ANDALUSIONS

BLUE Andalusians, perfection in poultry! Majestic and beautiful! Wonderful egg producers all the year. Non-setters! Why waste feed on scrub stock? Our stock from best blood in America, first prize winners, Madison Square Garden (1905). Orders booked now. Eggs, best pens, \$2.00 per 15. V. H. Councill, Warrenton, Va. 23

GAMES

CORNISH INDIAN GAME—Eggs for sale from healthy, farm raised birds at \$1.00 for setting of 15. Mrs. Tully Birdsong, Pulaski, Route No. 5, Tenn. 23

EGGS for hatching, Fine pure bred War Horse and Red Quill Game. Eggs \$2.00 for 15. S. W. Pulliam, King, N. C. 23

FOR SALE—The finest Pit Game chickens in the South. Write for prices. R. M. Caldwell, Hymer, Ala.

MONEY back if my White Indian Games fail to please you. Large, hardy, all-purpose birds; 15 eggs \$2.00. M. E. Kennedy, Temple, Ga., Route 3. tf

LEGHORNS

BROWN LEGHORNS, 25 single comb cockerels at \$1.00 each if taken at once. From pen headed by cockerel weighing 6 pounds. C. E. Pittman, Commerce, Ga.

BUFF Leghorns, best in the world. Eggs 15, \$2.00; 45, \$5.00; 100, \$10.00. Buff Leghorn Farm, West Point, Miss. 26

CHOICE S. C. White Leghorns cockerels, score 93 to 96, good breeding birds, \$1.50 to \$2.50 each. Fairview Poultry & Stock Co., Winston, N. C. 24

DO IT NOW—Place your orders with C. B. Campbell, Asheville, N. C., if you want eggs for hatching from the best there is in Buff or Brown Leghorns. \$1.00 per setting. Worth double the money. A few birds for sale at a bargain. 28

EGGS from pure white S. C. White Leghorns; bred to lay as well as true type and color; \$2.00 per 15, \$8.00 per 100. A good hatch guaranteed. Fairview Poultry & Stock Co., Winston, N. C. 24

JNO. R. BALDWIN, Rockwood, Tennessee, the S. C. White Leghorn specialist; world's best as layers and winners. Bred to Standard with due regard to utility points; heavy layers of large white eggs, non-setters, and unsurpassed in the South. All birds score 94 points and better. The birds—par excellence—for the farmer as well as fancier. Eggs \$3.00 per 15 straight. No stock for sale. Order early. tf

PRIZE winning Single Comb Brown Leghorn eggs \$2.00 per setting. Fertility guaranteed. Evans Poultry Yards, Nelsonville, Ohio. 23

R. C. BROWN Leghorns—High scoring stock, Kulp strain, and eggs for sale now at reasonable prices. C. W. Hicks, Madisonville, Tenn. tf

REV. J. M. JORDAN, proprietor of Cane Creek Poultry Yards, Single Comb Brown Leghorns, Bidwell, Tenn. In looks, laying and fecundity my flocks satisfy me, and patrons and customers shall continue satisfied. Eggs \$1.50 for 15. 25

ROCK RIVER Poultry Yards. The home of Stevenson's Single Comb White Leghorns. Won at Rockford's big show January, 1906, 1st pen, 1st cock, 1st, 2d cockerel, 1st, 2d, 3d ben, 1st, 2d pullet. Highest scoring bird in the show room. Eggs \$1.50 per 15; \$7.00 per 100 eggs. Free catalogue. I. F. Stevenson, Rockford, Ill. 24

ROSE COMB Buff Leghorns—Start right by buying the best. I have them; will give you of 1st prize winning yards. Eggs \$2.00 for 15; \$3.00 for 30—20 years a breeder. Also B. P. Rocks (Bradley Bro. strain) and R. C. Brown Leghorns. Jacob B. Lynerd, Westminster, R. D. 53, Md. 23

S. C. WHITE Leghorn Cockerels at \$1.00 and \$2.00 each. S. C. White and Brown Leghorn eggs \$1.25 and \$2.00 per 15; \$5.00 and \$10.00 per 100. Shady Dell Farm, Calcis, Ala. tf

S. C. WHITE LEGHORNS—Charlotte 1906, 1st Cockerel, 3d, 4th and 5th Pullets, 1st Pen. Eggs \$1.50 per 15. R. M. Flenniken, Charlotte, N. C., Route 1. 26

SINGLE Comb Brown Leghorns. Winners of blue ribbon at Birmingham, Ala., show, 1905. Eggs \$2.00 for 15. Jno. R. Fulgham, No. 6230 Second Ave., N., Woodlawn, Ala. 26

SINGLE COMB White Leghorns! Cockerels from Wyckoff's celebrated laying strain, one dollar each. Eggs one dollar for fifteen. Cotton Valley Farm, Tarboro, N. C. 24

SINGLE Comb White Leghorns (exclusively). Hardy, vigorous, farm raised, thoroughbred birds; \$1.00 for 15 eggs. Bedford Johnson, Gainsboro, Tenn. 24

SINGLE COMB White Leghorns exclusively, Wyckoff strain; large and vigorous; pure white; heavy layers. Eggs \$1.00 for 15. Stock for sale. Edward Montgomery, Knoxville, Tenn. 24

S. C. BROWN LEGHORNS, line bred 19 years; good size; fine style; rich color. Eggs \$2.00 per 15. Geo. W. Osterhout, Bedford City, Virginia. 27

EGGS FOR HATCHING—Single Comb White and Brown Leghorns, \$1.00 per 15; \$5.00 per 100. Pure bred. C. C. Combs, Bristol, Tenn. R. No. 2. 23

S. C. WHITE Leghorn, best strain. Eggs \$1.25 per 15; \$6.00 per hundred. Satisfaction guaranteed. Chickahominy Poultry Yards, Ellerson, Hanover Co., Va. 24

S. C. W. Leghorns. Eggs for hatching from prize mating at \$1.50 per 15. Collie dog pups and Ferrets for sale also. Write for prices. W. S. King, Lonoke, Ark. tf

S. C. BUFF Leghorns—At Lake Geneva won 1st, 2nd, 3rd and special for highest scoring bird. Eggs \$2.00 per 15. John Rosenow, Elkhorn, Wis. 28

SINGLE Comb White Leghorns, Wyckoff strain direct. Bred to lay. None better. Eggs \$1.50 for 15, \$2.50 for 30. W. H. Fulenwider, Asheville, N. C. tf

EGGS FOR HATCHING—Pure bred Single Comb Brown Leghorns \$1 per setting. Farm raised. R. E. Brice, R. F. D. No. 2, Union City, Tenn. 29

SINGLE COMB Buff Leghorns. Solid golden buff; none better. Eggs \$1.50 per 15; \$2.50 per 30. Hatch prize winners. Dr. H. P. Marshall, Mohawk, Tenn. 24

S. C. W. LEGHORNS, Old Reliable Poultry Yards, Est. 1865. My winnings at the great Cleveland show, 1st Cock, 5th Hen, 5th Pullet, 1st Pen. Write for circular. A. B. Todd, Vermilion, Ohio. Successor to W. H. Todd. 23

SINGLE COMB Brown Leghorns. Cincinnati, Ohio, 1906, on two entries, I won 1st cockerel, 4th pullet. Frankfort, Ky., Dec., 1905, every 1st premium; silver cup best pen. Cockerels for sale. Write for mating list. Eggs \$1.00 and \$2.00 for 15. Mrs. Chas. T. Samuels, Deatsville, Ky. 24

SINGLE Comb White Leghorns, Van Dreser, Blanchard and Wyckoff strains. Our birds have records of 201 to 234 eggs per year. Show birds for any show. We are the largest breeders of S. C. White Leghorns in the West. Send for largest and best circular published. North Lake Farm, Lake Mills, Wisconsin. 24

20 BROWN Leghorn eggs \$1.00, if you answer this ad; 20 other leading varieties. Catalogue free. Explains all. C. L. Shank, Luray, Va. 26

S. C. BROWN Leghorns—We are breeders of the very best laying strain for many years. If you so far have failed to get hens that will lay the whole winter, when eggs are high, try our Brown Leghorns. We sell 15 eggs for hatching at one dollar. 100 for \$6.00. Spring Green Poultry Farms, Jacksonville, Florida. 23

ORCHARD Hill Poultry Farm.—S. C. Buff Leghorns (exclusively) Arnold strain; eggs from No. 1 breeding pen \$2.00 per 15; No. 2, \$1.50. L. M. Abbott, Liberty Mills, Ind. 23

MINORCAS

BRUSH CREEK Minorca Yards.—Five grand pens. Santee & Andrus strain, Single Comb Black Minorcas, some of them direct from Madison Square Garden first prize winners. These birds are large and vigorous and will score 90 to 95 points. Eggs \$2.00 per 15. Fair hatch guaranteed or order will be duplicated at one-half price. Order your eggs direct from this ad. I give as my reference, Unaka National Bank. J. R. C. Lewis, Johnson City, Tenn. 25

ROSE COMB Black Minorcas—Northup strain. Eggs \$2.00 per 15. Book your order early. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Virginia. 31

ROUND'S Ideal Black Minorcas, line bred for years: 64 fine birds on range, settings \$1; 12 special R. & S. C. mating (No. 3), settings at \$1.50 after May 5th. Some nice breeders for sale June 1st. Spring Water Poultry Farm, Fred Rounds, Owensboro, Ky. 23

SINGLE Comb Black Minorea Eggs from prize winners at Atlanta December, 1905, \$2 per 15. Incubator eggs 5c each. The Minorea Farm, College Park, Ga. 26

S. C. BLACK Minorcas that won at Birmingham, Montgomery, Atlanta, Nashville and other shows. Eggs \$2.00 for 15. Stock a matter of correspondence. Address Mrs. W. S. Porter, Petersburg, Tenn. 25

S. C. BLACK MINORCAS that won at Birmingham 1st, 2nd and 3rd pullets and at Montgomery 1st cockerel, 2nd and 3rd pullets, 1st pen. Eggs in season \$2.00 for 15. Stock for sale. Address Mrs. W. S. Porter, Petersburg, Tenn. 24

S. C. BLACK MINORCAS—Shoemaker strain, extra large; my birds have never lost a ribbon when shown. Eggs in season \$1.50 for 15. Stock for sale. Also registered Poland China Hogs from three leading strains. Six sows and two boars that are a show to all who see them. High Peak Swine and Poultry Farm, Alex Collins, owner, Lewisburg, Tenn. 24

S. C. BLACK MINORCA—Extra large prize winners. My flock is headed with a 10 lb. Worthup cock. Eggs in season \$1.50 for 15. Stock for sale. Also registered Poland China Hogs of the very best breeding; they are very large and growthy. Address Alex Collins, Lewisburg, Tenn. Correspondence solicited. 26

SINGLE Comb Black Minorcas exclusively (Northup strain) bred from prize winners. Eggs \$1.00 per setting. B. C. Deyo, R. R. No. 3, New Paltz, N. Y. 25

SINGLE Comb Black Minorcas. Eggs from Birds that are bred to lay; 15 for \$1.00; 100 for \$4.00. A. P. Davis, Baggettville, Tenn. 23

ORPINGTONS

BUFF Orpingtons, exclusively. Eggs from high scoring stock \$2.00 per 15. Satisfaction guaranteed. T. R. Hollowell, Murfreesboro, Tenn. tf

S. C. **BUFF** Orpingtons exclusively—Cocks, \$1.50; Cockerels, \$1.00 up. Eggs \$1.25 per 15, from large, thoroughbred Buffs. Edwin J. Steed, Ramseur, N. C. 24

SINGLE Comb Buff Orpingtons, Rich Golden Buff, pairs, trios and cockerels at reasonable prices. Eggs in season \$3.00 per 15. Henry Kedzie, Dyersburg, Tenn.

EGGS—S. C. Buff Orpingtons exclusively. \$2.00 per 15. Nashville winner. Winter layers. Eggs from range Orpingtons cheap. Mrs. W. A. Gibbon, Arlington, Tenn. 23

FIRST WORLD'S FAIR Cockerel, Single Comb Buff Orpington; 200 descendants \$150.00; 1st Boston cock. Blue ribbons Cincinnati, Louisville, Nashville. Circulars. Bluegrass Poultry Yards, Mitchell, Tenn. 27

SINGLE COMB Buff Orpingtons—Fine pullets and cockerels. Eggs from pens of tested fertility; \$1.50 for 15. Large quantities, special. Dr. T. C. Ware, Clarksville, Va. 27

S. C. **BUFF** Orpingtons—Eggs from my pens of prize winners at \$2.00 and \$3.00 per 15. Won 2nd and 3rd pens, besides many individual prizes at Middle Tennessee Poultry Show. Write for 1906 mating list and circular. W. H. Furyear, Glendale, Maury Co., Tenn. 26

SINGLE Comb Buff Orpingtons—Winnings. Middle Tenn. Poultry Show, Dec., 1905: 2nd cock, 2nd, 3rd hen, 1st ckl., 1st, 2nd, 3rd pullet, 1st pen. Chattanooga, Jan., 1906, 1st ckl., 1st, 2nd, 3rd pullet, 2nd hen, 1st pen. Eggs \$2 and \$3 per 15. W. S. McFall, Columbia, Tenn. 26

PIGEONS

HOMER Pigeons, 5 pairs mated breeding birds for sale, cheap. N. A. and N. M. Robinson, 1812 Hebron Ave., Zion City, Ill. 24

"**SUCCESSFUL PIGEON RAISING**"—Latest and most practical book for squab raisers. Full of valuable information, concisely stated. The author personally conducts a plant of 11,000 birds and tells his secrets frankly. Invaluable to the beginner. Telling how to buy stock, and how to succeed. Contains 101 pages, 21 fine engravings, handsomely bound. Price 50c postpaid. You ought to have it. F. B. Price, Jr., Box 27, Da Costa, N. J. 24

PLYMOUTH ROCKS

BARRED PLYMOUTH ROCKS—Brown Leghorns—The two leading breeds. Pure blood stock for sale. Eggs 15 for \$1.50. Order now. E. C. Fewell, Duhlin, Texas. 30

BARRED Plymouth Rocks (exclusively); choice, healthy, farm raised cockerels at \$1.00 and \$2.00 each. Eggs \$1.00 per 15. Satisfaction guaranteed. Carlisle Poultry Farm, Dublin, Texas. 28

BARRED Plymouth Rocks, exclusively fine stock, good size, early maturity. They are bred to lay. Eggs \$1.50 per 15; \$2.50 per 30; \$3.00 per 50. Swanwick Poultry Yards, Swanwick, Ill. 23

EGGS for hatching. Pure bred Buff Rocks. Pen No. 1, \$2.00 for 15; pen No. 2, \$1.00 for 15. Diamond Poultry Farm, King, N. C. 24

McCULLOUGH'S Barred, White and Buff Rocks are well known. They have few equals and no superiors. They are bred from America's best strains and will reproduce themselves. They will surely produce winners. They are noted for good shape, size, color, combs, legs, eyes, beaks, etc. Eggs from truly exhibition matings \$2.00 per 15; \$5.00 per 45. Plummer McCullough, Mercer, Pa. 30

ELM Hill Poultry Yard—Barred Plymouth Rocks; only the best strain is bred. Eggs \$1.50 for 15; \$2.50 for 30. Mrs. J. W. Franklin, Adairsville, Ga. 24

EGGS FOR HATCHING—Fine pure bred White Plymouth Rocks. I have never had my birds scored but they are fine. 15 eggs 75c. J. W. Parker, Meadow Vine, Va. 27

BARRED Rocks (Ringlets, "Bradley's"). I breed winners. So you can if you buy from me. Eggs \$1 and \$2 per setting. Write me. Mrs. Edith Chelton, Landonville, Md. tf

"**48 BARRED ROCKS**" (Hawkins) \$150.00 in eggs, 120 dozen. Two cent stamp will tell. Eggs \$1.50, 15; \$2.50, 30; \$5.00, 100. Cockerels \$2.00 to \$5.00. Reference Banks and Merchants here. Mrs. Dora Coward, Morganfield, Kentucky. 26

FISHEL STRAIN White Plymouth Rocks. As good as the "Best in the World." A few splendid cockerels and cock birds at \$3.00 to \$5.00. Eggs in season after March 1st. Pen No. 1, \$3.50; No. 2, \$2.50; No. 3, \$1.50 per 15. Also English Setter and Pointer Puppies, Field Trial strains. Eligible to registration. G. C. G. Givan, M. D., Harriman, Tenn. 23

B. P. ROCKS—Thompson, Hawkins and Bradley strains. Eggs in any quantity \$1.00 per setting, neatly packed; 14 chicks guaranteed. Mrs. Edith Chelton, Landonville, Md. tf

EGGS for hatching from Barred Rocks at \$1 per 15, also a few exhibition Cockerels at \$3.00 and \$4.00 each; none better at that price; all farm raised. Address, Miller Poultry Farm, Miller, Mississippi. 23

ROCKS—Eggs from extra choice stock Barred, Buff and White Plymouth Rocks, \$1.50 per 15. J. S. Budd, Macon, Ga. 26

BARRED ROCKS a specialty, the finest in the land. Large vigorous farm raised, yellow legs, clear beaks, barred to the skin; lay all the year, and winners every time. Stock for sale, reasonable. Eggs \$2.00 per 15; \$5.00 per 100. Stevenson N. & P. Farm, No. 2, L. Box 8, Fordyce, Ark. 24

BARRED PLYMOUTH ROCKS—A few cockerels for sale (Thompson strain). Eggs from best pens \$2.00 per 15, either mating; other pens \$1.00 per 15; \$2.00 per 45. Write for mating list. Mrs. Chas. T. Samuels, Deatsville, Ky. 24

EXHIBITION Barred Rocks—Bred for utility and heavy. Eggs for hatching 15 for \$3.00. Choice birds for sale. W. M. Pilgrim, Hartville, Stark Co., Ohio. 26

BUFF and BARRED PLYMOUTH ROCKS; prize winners. If you answer this you receive 15 eggs for \$1.00; 30 eggs \$1.80. Free catalogue. Page Valley Poultry Yards, Luray, Va. 27

EGGS for hatching; pure bred Plymouth Rocks; \$1.00 for 13, \$2.00 for 30 eggs. Order at once. Mrs. Henry Ayre, Cleveland, Tenn. 23

BARRED Plymouth Rocks, splendid layers, heavy winners: six 1st in two shows. Eggs \$1.50, \$2.00 and \$3.00 per 15. Incubator eggs \$6.00 per 100; \$10.00 per 200. All from vigorous stock, very fertile. Orders filled promptly. Circulars free. S. J. Naftel & Son, Naftel, Ala. 24

"**RINGLET**" Barred Rocks! Bred for eggs and standard points. Choice vigorous cockerels, \$1.00 to \$2.00; pullets \$1.00. Eggs 15, \$1.00. Incubator eggs \$5.00, 100. Satisfaction guaranteed. Leslie H. McCue, Afton, Virginia. tf

EGGS from B. P. Rocks: no better to be had: barred to the skin (Thompson & Hawkins strain). Eggs \$2.00 per 15, \$8.00 per 100; a good hatch guaranteed. Fairview Poultry & Stock Co., Winston, N. C. 24

RINGLET Barred Plymouth Rocks. High scoring birds in pen. Eggs \$2.00 per 15. Evans Poultry Yards, Nelsonville, Ohio. 23

WHITE Plymouth Rocks exclusively "Fisher strain" cockerels for sale. Eggs in season. Correspondence solicited. Address, M. E. Briggs, Neosho, Ky., State Sec'y American White P. R. Club. 26

RHODE ISLAND REDS

BROWN'S RHODE ISLAND REDS—Stock from pens scoring to 94. Score cards with birds after November 15. Mrs. C. W. Brown, Chariton, Iowa, Route 1. 24

RHODE ISLAND REDS only. Eggs for hatching \$1.50 and \$2.00 per 15, from utility and exhibition stock. Mrs. Gomperts, Lady Lake, Fla. 27

ROSE Comb Rhode Island Reds. Eggs \$2.00 per setting from pen headed by \$50 male bird. Evans Poultry Yards, Nelsonville, Ohio. 23

ROSE Comb Rhode Island Reds. Thoroughbred cockerels \$2.50 to \$3.00. Eggs 15 for \$1.50. J. W. and E. H. Hackney, London, Ky. 23

ROSE Comb Reds, exclusively. No more birds for sale. Eggs from pens scoring to 94 points, \$3.00 for 15. Range \$1.50 for 15; incubator eggs in season. Mrs. C. W. Brown, Chariton, Iowa, Route 1. 25

RHODE ISLAND Reds, Rose and Single Comb. Prize stock, correct color and shape. Extra fine layers. Eggs \$2.00 and \$3.00 per 15. See our ad. in The Hen. West Durham Poultry Farm, West Durham, N. C. 32

RHODE ISLAND Reds—Eggs only, utility pen of large, fine shaped birds, \$1.50 per 15. Pen of Knoxville winners—93 to 95 point pullets, \$3.00 per 15. Cherokee Farm, Madisonville, Tenn. tf

SINGLE Comb Rhode Island Reds that are red, bred from New York, Boston and Chicago winners. A hardy, vigorous strain of heavy layers that produce birds of the highest quality. The Reds are money makers. A few yearling hens and cockerels for sale. Frank Langford, Route 10, Nashville, Tenn. 24

WALKLING being a member of the American Poultry Association, National Single Comb Rhode Island Red Club, and the Rhode Island Red Club of America, can offer eggs from Rhode Island Red fowls that are bred your way of thinking. Winnings Madison Square Garden, N. Y.; Freeport, Portland, Maine; Concord, Manchester, New Hampshire; Beverly, Brockton, Lynn, Leominster, Mass. Eggs \$2.00 per 15; \$15 for 100 shipped any distance. Walkling Henries, West Medford, Mass. 24

SPRING GROVE Poultry Farm—Rose Comb Rhode Island Reds. Knoxville show, eight entries, eight premiums. Eggs, per 15, prize pen, \$3.00. Other pens \$1.00 and \$2.00. O. H. C. Rodgers, Route 6, Knoxville, Tenn. 27

EXCLUSIVE Breeder America's best Rose Comb Rhode Island Reds; won the blue in biggest shows. Eggs only: free circular tells. Address, Virginia Poultry Farms, McGeheysville, Va. 23

TURKEYS

WHITE Holland Turkeys for sale; five dollars (\$5.00) per pair. Mrs. Mary W. Baker, Okolona, Miss., R. F. D. 1. 26

WYANDOTTES

GET your Silver Laced Wyandotte eggs of Jardine. Write and I will treat you square. Orr strain, \$1.50 per 15. D. W. Jardine, Marquis Avenue, Staunton, Va. 26

EGGS from pure White Wyandottes (Duston strain direct) and prize winners; \$2.00 per 15; \$8.00 per 100; won last fall in hottest competition; a good hatch guaranteed. Fairview Poultry & Stock Co., Winston, N. C. 24

PARTRIDGE WYANDOTTES—The Ideal Fancier's Bird—The best general utility fowl. Ilave New York, Chicago, Pittsburgh, Indianapolis and Erie winners. Stock and eggs for sale. Orders now being booked at two dollars per fifteen; eggs from selected pens headed by First Chicago, Second New York and First Pittsburgh males, three dollars for thirteen. Satisfaction guaranteed. Albert Fletcher, Jr., Warrenton, Virginia. 30

SHOW birds and winter layers; now is the time to hatch them. White Wyandottes, exclusively (Duston's). Eggs from choice stock 15 for \$1.50. (Member National White Wyandotte Club.) Baird Jones, Murfreesboro, Tenn. 24

WHITE, Buff, and Silver Penciled Wyandottes. Eggs 15 for \$2.00, or 45 for \$5.00. Ed. H. Kerstner, Gordonville, Mo. 24

WYANDOTTES that are White as the drifting snow. Eggs \$2.00 per 15. Evans Poultry Yards, Nelsonville, Ohio. 23

SILVER Laced Wyandottes—First prize winners. Eggs from first pen \$2.50 per 15; 2nd pen \$1.50. Stock for sale. Address F. S. McKnight, Aberdeen, Miss. 24

I RAISE White Wyandottes exclusively on my farms, Clement & Like. Eggs \$1.00 per 15; 10 chickens guaranteed. A. E. Nichols, Madison, N. C. 24

WHITE Wyandottes exclusively. Eggs for sale from high scoring, vigorous stock at \$1.50 per setting of 15. Satisfaction guaranteed. Dr. P. E. Gold, Battle, Texas. 28

I BREED nothing but Silver Laced Wyandottes. Only eggs for sale from the best mated pens in the country at \$2.00 per 15. I guarantee safe arrival at your express office and replace bad hatches at one-half price. J. A. Muecke, Box 26, Kingston, Tenn. 25

SEVERAL VARIETIES

ANCONAS—Get them and your egg basket will never be empty. Cook's S. C. Buff Orpingtons. Stock for sale. Jas. H. Lasley, Mebane, N. C. 24

BEFORE buying get special inducement prices from Exchange Poultry Farm, Cumberland, Ohio, on pure bred poultry and Buff Turkeys. We can interest you. Write us. Exchange Poultry Farm, Harry Prouty, Prop.

BARRED and Buff Plymouth Rocks and White Wyandottes—My birds have won the following prizes this season. At Charleston, S. C., Barred Rocks, 2nd cock; Buff Rocks, 2nd cock, 3rd and 4th cockerel; White Wyandottes, 2nd cockerel, 1st pullet, 1st pen. The pullet winning the Ivory Soap Cup for the best white fowl in the show (over 500 competing) and the pen a special for the highest scoring pen in American class. At Charlotte, N. C., Barred Rocks 3rd cock and 4th cockerel; Buff Rocks, 1st and 4th cocks, 1st cockerel, 2nd and 4th hens, 2nd and 3rd pullets, 1st pen and Buff Plymouth Rock Club's Silver Cup for best cock, hen, cockerel and pullet. White Wyandottes, 2nd and 3rd cockerel, 2nd hen and 2nd pen. Stock for sale at all times; eggs in season \$3.00 per setting. Jas. N. Jeffrey, Raleigh, N. C. 24

BUFF Orpingtons, best of Kentucky and Tennessee stock. Partridge Wyandottes. Carver & Avery's strain. S. C. Brown Leghorns. Henderson's "Brown Beauty" strain. Orpington and Wyandotte eggs \$1.50 per 15. Leghorn, \$1.00. Orr Bros., Mooresville, Tenn. 24

J. G. B. ERWIN, Erwins, Ga., breeder of Buff and White Orpingtons, White Guineas, Indian Games and White Turkeys, also first class Berkshires, etc. 30

LANHOFF'S S. C. White Leghorns, Barred Plymouth Rocks and White Wyandottes. Eggs from healthy, vigorous birds, five cents each; no matter how many. Piedmont Heights Farm, Yancey Mills, Va., F. C. Lanhoff, Prop. 24

MORNING GLORY FARM—Rhode Island Reds, Rose and Single Comb, and Mottled Anconas. Eggs for hatching. Price, \$1.50 per 15. Walter Poindexter, Sellersburg, Ind. R. R. No. 2. 25

PARTRIDGE Wyandottes (Doolittle strain). White Rocks (Fisher), Barred Rocks (Thompson), best stock obtainable. Eggs \$1.50 per 15. Circular free. J. C. Cooke, Salem, Va. 25

WE'LL FILL your Egg order for Barred Rocks, Toulouse Geese, Rouen Ducks, Bronze Turkeys, from prize winning birds. Catalog free. Greenview Poultry Farms, Box 99, Jackson, Mich. 26

FOR SALE—Eggs, White Wyandotte and Brown Leghorns, \$2.00; also some White Wyandotte cockerels. Have won 53 prizes the past two seasons. You get the best from me at a low price. Write L. S. Greenwood, 735 Market street, Chattanooga, Tenn. 24

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20 YARDS Nugget Buff Rocks, 10 yards Dus-ton White Wyandottes. All birds score 90 points or better. Eggs a specialty. Allen Secrist, Dundore, Pa. 27

ORDER TODAY—Eggs that will hatch, from fine Rhode Island Reds and Rose Comb Brown Leghorns, \$1.75 per setting. Mrs. L. Simmons, Cave Spring, Ga. 25

SILVER, Buff and Silver Penciled Wyandotte eggs \$2 and \$5 per 13. Large and blocky; unexcelled for eggs and meat. Large Pekin Ducks, eggs \$2 per 9. All prize winners. W. F. Maury, St. Elmo, Tenn. 27

SINGLE Comb Brown Leghorns, Black Minorcas, White and Silver Laced Wyandottes, and Barred Rocks. Eggs \$1.00 per 13. T. B. Smith, Jr., East Durham, N. C. 26

15 EGGS \$1.00, 30 for \$1.50, from pure bred Mottled Anconas and Rose Comb Rhode Island Reds; reasonable hatch guaranteed. John A. Jones, Jonesboro, Tenn. 23

FOR SALE—Barred Rocks and Buff Orpingtons, fine birds, either sex. Pekin ducks and drakes \$1 each. Embden geese \$5 per pair. Correspondence invited. Mrs. G. W. Ribble, Hettick, Ill. 23

SINGLE and Rose Comb Rhode Island Reds, Single Comb Brown and White Leghorns, White Wyandottes, Barred Plymouth Rocks. Eggs \$1.00 per 15; \$1.75 per 30; \$5.00 per 100. Riverside Poultry Farms, J. B. Coffman & Sons, Route 19, Box 74, Dayton, Va. 27

SUNFLOWER Poultry Farm can furnish you this year eggs from Black Langshans, Black Minorcas, Buff Orpingtons, Buff and Brown Leghorns at \$1.50 to \$2.00 per 15. Incubator eggs \$7.00 per 100, mixed, if wanted. My stock is from the leading strains of America. I guarantee to place the most exacting; let me have a trial order. B. E. Greer, Magnolia, Ark., Route 1, Box 52. 26

SINGLE Comb White Leghorns and White Plymouth Rocks, great laying strains. Bred from prize winning stock. Eggs \$1.00 per 15; \$1.75 per 30. R. W. Israel, Leicester, N.C. 23

WHITE and Silver Laced Wyandottes, S. C. White Leghorns, B. P. Rocks. Eggs from my best pens \$1.00 for 15; 2nd, 15 for 75c. Hatch of 10 chicks guaranteed. C. E. Smith, Chuckey, Tenn. 26

THOROUGHBRED White Wyandottes, White Rocks and White Leghorns, with trapnest records from 175 to 200 eggs per year, the kind that lay and pay. Eggs \$1.00 per 15; \$5.00 per 100. Geo. Cook, Calverton, Md. 24

FORBES Poultry Yard, New Decatur, Ala. White Wyandottes, Barred Rocks. Brown and White Leghorns. Won sweensteak at Montgomery and special for best display in five shows and over one hundred prizes Cockerels for sale. Eggs \$1.50, \$2.00 to \$3.00 per 15. 24

WHITE OAK Farm, Commerce, Ga.—Eggs for hatching, highest quality. White and Barred Rocks and White Wyandottes, \$1.50 for 15. Prize pens \$2.00 for 15. A prize pen Buff Orpingtons. Eggs \$2.00 for 15. Some White Rock Cockerels for sale. Eggs for incubation. Write for prices. Registered Berkshires. Satisfaction guaranteed. 24

H. L. KENNON, Dunnegan, Mo., the Poland China, Barred Rock, M. B. Turkey man. Eggs from best yards 15, \$1.50; 30, \$2.50; cockerel or pullet bred. Birds in these yards score 90 to 93½; grand range flock \$1.00 per setting. Turkeys, largest strain yearling Tom, weighs 35 lbs., sire 50 lbs., pullets 18 to 20 lbs., old hens 25 to 30 lbs. Eggs 35 cents apiece. 24

EGGS for hatching from Buff Orpingtons, White Wyandottes and Rose Comb White Leghorns. Satisfaction guaranteed. For pedigree, write J. S. Leisure, Zanesville, Route 8, Ohio. 27

BLUE RIBBON winners eggs cheap. White Wyandottes, Golden Silver Laced and Silver Penciled Wyandottes, Buff Orpingtons, Rose and Single Comb Rhode Island Reds, Brown and White Leghorns, Blue Andalusians and Black Langshans. Also a few good birds for sale. O. E. Shook, Waugh, N. C. 25

BUFF Wyandottes, high scoring prize winners, Cincinnati show. Eggs \$3.00 per 15. Utility mating \$2.00 per 15, \$3.50 per 30. Rose Comb Brown Leghorns, "Hansel" Cockerel, with hens of 200 egg record, \$2.00 per 15. Write for circular. Mrs. B. F. Hamlett, R. R. No. 4, Paducah, Ky. 27

THOROUGHBRED White Plymouth Rocks and White Wyandottes. Eggs \$2.00 per 15; 45 for \$5.00. Fair hatch guaranteed. Stock for sale. M. G. Kerstner, Gordenville, Mo. 25

ENGLISH Red Cops, won prizes at Charlotte Poultry show; eggs for sale, \$1.50 for 15. Some Cockerels for sale. Address Clyde Wagner, Troutmont, N. C. 23

ELMDALE Farm has bred Barred Rocks exclusively 10 years; can furnish eggs in large quantities (having several hundred selected layers) at \$4.00 per 100. Special matings \$2.00 for 15. Bronze Turkey eggs \$5.00 per dozen. Hens mated with 1st prize Tom at Knoxville show. S. S. Smith & Bro., Whitesburg, Tenn. 24

J. PALMER LEWIS, Gastonia, N. C., R. F. D. No. 2, breeder of thoroughbred Buff Rock (Nugget strain), and Pekin Ducks. 15 nice eggs \$1.00.

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MISCELLANEOUS

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20 CHOICE thoroughbred Single Comb Brown Leghorn eggs \$1.00, good hatch and satisfaction guaranteed. Belgian Hares and fancy Pigeons shipped anywhere on approval. Write quick, today. E. Sterling Windes, Leighton, Rural 1, Ala. 25

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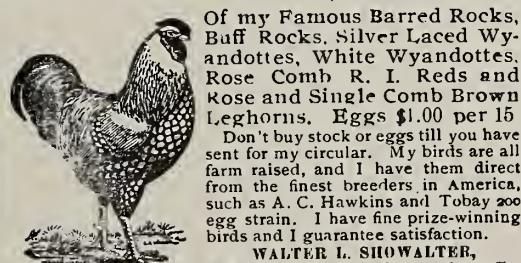
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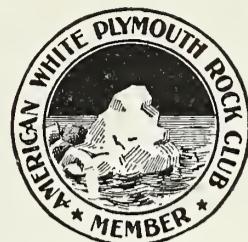
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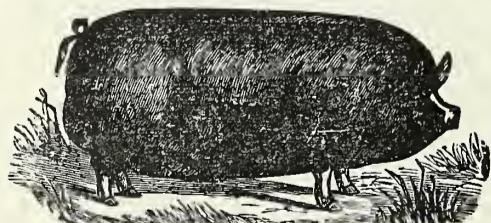
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Berkshire Pigs, 3 mos. old, \$10 each

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1500 Head of America's Best Wyandottes in Golden, Silver and Whites

WINNERS AT THE GREATEST SHOWS OF THE NATION

Our birds have won almost continually at Madison Square Garden, N. Y., since 1891, winning nearly 300 premiums. They won heavy at Chicago for several years also at World's Fair, Chicago, and the Pan-American, 36 premiums at the St. Louis World's Fair, and hundreds of other premiums at the leading shows for the past 20 years, and are winning for our customers at all of the big shows of the world. We have 1,500 head of fine birds in both old and young of the finest quality we ever offered. If in need of the finest show birds, we can spare them in any numbers, or fine breeders at reasonable prices, line bred for 20 years and great layers. I have the quality, bred right and the price is right. I breed on the side the finest quality of Seabright Bantams, Japanese Silkies, Belgian Hares, Collie Dogs. Also Berkshire Swine. All imported stock. Circular is free.

Eggs from our fine matings one setting \$3; two or more settings \$2.50 straight, or \$18.00 per 100.

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THE TRIUMPH CAPONIZING SET \$3.00

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THE WORLD'S CHAMPIONS

Winners of St. Louis, Birmingham, Montgomery, Atlanta, Augusta and Macon. For the past twelve consecutive years my Cornish Indian Games have made almost a clean sweep of every Southern show. My matings are finer this season than ever.

Eggs three, four, five and ten dollars per fifteen.

Silver Laced Wyandottes, \$1.50 per fifteen.

Registered Scotch Collies and Fox Terrier Dogs.

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White Wyandottes EXCLUSIVELY

Bred to lay by careful selection and mating. Eggs, balance of season, \$1.00 for 15. After June 1st will sell our entire lot of 1906 breeders at a great bargain. Fox Terrier pups of the finest breeding. Males \$5.00; females \$3.00. JULIAN L. SHIPP, Highland Park, Tenn.

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Over 100 prizes, including 3rd pen, 7th Cock, World's Fair. Firsts at Chicago, Cincinnati, Louisville, Hagerstown and others. My stock represents the highest quality of this beautiful and profitable breed. Eggs \$3.00 for 15; \$5.00 for 30.

Diamond Jubilee Orpingtons. The coming Orpington. Greatest layers and quickest growers of all the Orpingtons. First Cock World's Fair, Chicago, Hagerstown, etc. Eggs \$3.00 and \$5.00.

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Are leaders in egg production and show room. Winners at Madison Square Garden, New York, 1903, 1904, 1905 and 1906. Eggs for hatching from my regular matings \$2 per 15, \$3.75 per 30, \$5 per 45, \$10 per 100. From exhibition matings \$3 per 15, \$5 per 30. Illustrated circular free.

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20 Cockerels, no Pullets left

Good Clean Stock--Fine Breeders

Eggs \$2.00 per 15

Book your orders now. Ship when you need them.

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BARRED and WHITE PLYMOUTH ROCKS
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S. C. WHITE LEGHORNS, Blanchard and Wyckoff strains; Eggs from best pen \$1.50 per 15; Second, \$1 for 15. S. C. BROWN LEGHORNS. Whitman strain, \$1.00 for 15. Will spare a few settings from our 240 egg strain of S. C. Brown Leghorn, mated to produce exhibition males, at \$2.50 for 15. Satisfaction guaranteed.

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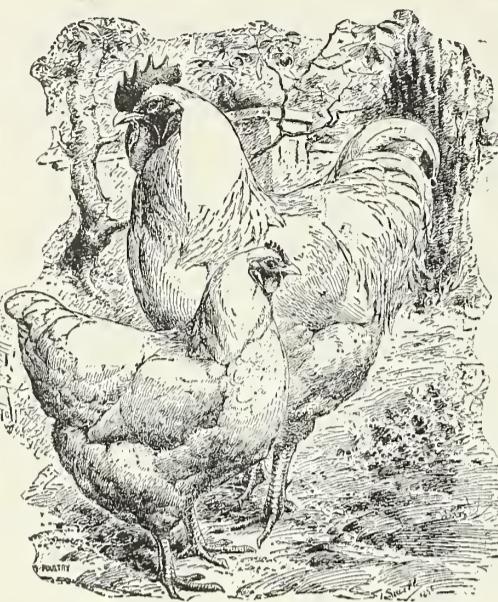
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White Plymouth Rocks

EXCLUSIVELY

We are selling eggs from seven of the best pens of White Rocks in the South. No stock for sale. Our pen No. 1 is headed by a Cockerel with a score of 95 $\frac{3}{4}$ (by Hewes) mated to seven females with an average score of 95 $\frac{1}{2}$. Our pen No. 2 is headed by our First Prize Cockerel at the recent Nashville Show, mated to eight high scoring females including First Prize Pullet at recent Nashville Show. Our other pens are made up of both males and females of extra quality. Our birds are white and will stay white; have won for us and will win for you. Get ready for the shows *next season* by buying eggs from us at once. *Satisfaction Guaranteed.*

EGGS \$2.00 and \$3.00 per 15. Write us

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A positive guaranteed cure for Indigestion, Constipation, Inactive Liver, Dyspepsia, Biliousness, Loss of Appetite and a complete cure for all Stomach and Bowel troubles. It is the greatest medicine known to modern times. It is the best because it effects a complete cure. It makes new blood, strengthens the nerves, tones up the Stomach to perfect digestion.

If you want the BOON of HEALTH use LIQUO-PEPSO. Get a bottle to-day, it will do you more good than any medicine you can buy. For sale by all leading druggists. If you fail to find it at your drug store, it will be sent you by express prepaid upon receipt of the regular price, \$1.00 per bottle or 6 bottles for \$5.00. Address,

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THE 20TH CENTURY LIVER PILL

Is an up-to-date pill. They make a clear head and a sound liver. It is the only pill that will give you satisfaction and perfect relief, it will not gripe, not make you sick, but reaches the liver just right. They are the best you can take, and the best your money can buy. One trial will convince you. Price 25 cents per box of 30 pills. Sent postpaid upon receipt of the price. Get a box. If your druggist can not supply you, send to us at once.



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Madison Square Garden Winners

I call my ROSE C. Brown Leghorns "The Best in the World" for these reasons: They won in the Garden Firs since 1902. In 1904 they won all four Firs and three Seconds in large classes; 1905 they won three Firs and Silver Cup for best exhibit; no other man won more than one first. They are largest strain; lay to 242 eggs to a pullet, and lay eggs up to 83 oz. to 12. Now, are they not the best? My Rose Comb Whites and S. C. Whites are noted for big and many eggs. S. C. Browns lay to 239 eggs to a pullet; win at Madison Square. Barred and Buff Rocks. See free catalog. Collie Puppies and of the finest strains. W. W. KULP, Pottstown, Pa. Box 75

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Won eight 1st premiums at Charleston and Atlanta, 1905.

Exhibition mating eggs \$3.00 per 15. Incubator eggs \$5.00 per 100.

MARION FARM, Dept. H.
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FOR SALE

Thoroughbred Mammoth Bronze Turkey Eggs. \$6.00 for 13 Eggs.

J. C. MARCUM,
R. F. D. No. 1. Carrollton, Texas.
24

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Win the Blue, '05, at the South's leading shows. White Rocks, S. C. White, Buff and Brown Leghorns, White Wyandottes, Brahmans and Cochins.

H. W. BLANKS, Expert Judge all Classes, Columbia, La., U. S. A.

Dates arranged for '06. Write for terms.

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Black-Breasted Red Game Bantams

Winners at Atlanta, Ga., 1905, 3d and 5th Cock, 2d Hen, 2d Pullet, 2d Pen, in hottest competition. For stock and eggs address

28 A HBY ST. **ATLANTA, GA.**

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Reds that are winners. Exclusively bred for their distinct color, laying, utility and show qualities. Some nice cockerels now. Eggs \$8 per 15, \$5 per 80. Correspondence solicited.

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Knoxville, Tenn., Show, January, 1906: 2nd and 3rd Cockerel; 1st, 2nd, 3rd and 4th Pullet; 1st Hen; 1st and 2nd Pen; 6 Specials. Huntsville, Ala., Show, Dec., 1904: 1st Cockerel, 1st Pullet, 2nd Hen.

EGGS \$3.00 PER 15

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Winnell Heights Poultry Farm

SPRING CITY, Rhea County,
TENNESSEE

White Wyandottes and S. C. B. Leghorns. Utility and beauty combined in the two most practical breeds. Greatest egg producers. A few cockerels cheap for quick sale. White Wyandotte eggs, \$2.00 per 15. Leghorn eggs, \$1.50 per 15. **D. GITHENS, Prop.**

CHAS. A. CYPHERS

MODEL

Incubators

The Model Incubators are meeting with a larger sale than ever this season. What is the reason for it? Simply that the Model hatchers have given complete satisfaction to earlier customers. These customers recommend the Models on their merits. They are not bought for either cash or advertising. They make their money out of rearing poultry for profit.

I have a letter from one of my customers, Mr. William H. Truslow of Stroudsburg, Pa., under date of March 9th, in which he states, "I think the best hatch I ever had on duck eggs came off last week in one of your Models." Mr. Truslow has been hatching ducks for about fifteen years, has used all the leading makes of incubators, and is now using only the Model. He has forty-seven of the No. 4's, from which he averaged last season close to 1,000 ducks from each machine, and which netted him a handsomer profit than most breeders make.

Another large customer is the Crystal Springs Duck Farm, Oil City, Pa. They used last season thirty-three Models and forty-nine of my old make which I remodeled early in the season. I have just shipped this plant eight more, which gives them a capacity of ninety machines. Mr. Patrick McEvoy, the manager, writes me that the Model is the best hatcher he can get. Mr. McEvoy is a successful chicken man as well as a successful duck breeder and undoubtedly draws the largest salary of any manager of a poultry plant because he makes the plant a profit payer.

Another large customer who ordered more machines is the Lakewood Poultry Farm Co., Burrsville, N. J. Mr. Brown, the president can handle chickens successfully in large numbers. More chickens can be found on this plant than on any other in the country.

These men use the Model Incubators only because they give them the best hatches. If you are going into the poultry business you cannot afford to do otherwise. My catalogue free. Also ask for a free copy of "Eggs, Broilers and Roasters." This book will tell you of the comparative profits of all branches of the business, cost of production, market quotations, etc., virtually an "Easy Lesson in Practical Poultry Culture."

CHAS. A. CYPHERS, 332 HENRY STREET, BUFFALO, NEW YORK

Brooders

When a baby chick is first hatched it is thinly clad, has little power of resistance and is particularly sensitive to the slightest draught. Within the egg, while the chick is developing, it is immersed in a fluid and breathes in a like manner to a fish by means of an outer circulatory system called the allantois. A short time before the chick is excluded from the shell the lungs, which have previously been filled with a fluid, begin to dry out and the chick has a double circulation. That is, it begins to breathe by inhaling the air contained in the egg at this time into the lungs, while the circulation in the allantois is gradually decreasing. As the chick breaks the shell the circulation in the allantois ceases, and it then depends entirely for the aeration of the blood on the lungs. It is, therefore, seen that the change from the aquatic state to the aerial state is quite rapid, and that when the chick is first excluded from the shell the circulation is more or less imperfect. It takes some few days before the circulation has become strong enough to give the chick any resistive force. It is during this early period that millions upon millions have been killed in artificial brooding, which has caused hundreds of failures and many heartaches.

The Model Brooder is designed to properly care for the chick during this critical period, to nurse it along until it gains in strength and activity, until its resistive forces have developed, while it gives the necessary warmth, and in a way to keep the chick perfectly comfortable. It provides more fresh air than any other brooder on the market. With this brooder the chick can be gradually hardened off until its powers of resistance are equal to the outdoor temperature. The results are that the Model Brooders successfully rear the chicks entrusted to them.

Of these brooders my many customers write all kinds of praise:

"The outdoor brooder I bought of you last spring successfully raised every chick put in it."—Clifford F. Klees.

"I raised two broods of chickens in the brooder I purchased from you, 75 chicks in one brood and 85 in another, and never lost a chick in either brood."—W. E. Rose.

"Poultry Feeding for Profit" (free) tells feeding methods. Also of Model Mill and Model Prepared Foods.

GOLDEN WYANDOTTE SPECIALIST

SIX YEARS A BREEDER

At State Show, Louisville, January, 1905, (competing with World's Fair, Chicago and Cincinnati prize winners) I won every first prize. Silver cup best pen any parti-colored variety.

If you want Exhibition Birds that will win or Breeding Stock that will put you at the front, write me.

W. M. SPALDING, Cox's Creek, Ky.

NEW DEPARTURE POULTRY PLANT SALISBURY, N. C.

White and Brown Leghorns, score 92½ to 96. Silver Laced Wyandottes, score 90 to 93½. No birds in our pens unless winners, and eggs limited as we only have 4 pens in all, this year. Every egg we offer you will be from a winner at some big show. Write us. 24

EGGS!

from a heavy laying strain, White Wyandottes, \$1.50 per 15. Satisfaction or your money back with pleasure. Write. Agent Model Incubators.

WEST MORTON,
State Capitol, Nashville, Tenn.

GINSENG The money making crop. Easily grown. Room in your garden to grow hundreds of dollars worth annually. Plant now. Literature free. Write today. BUCKINGHAM'S GINSENG GARDEN, Dept. B. Zanesville, Ohio.

Silver Laced Wyandottes EXCLUSIVELY

I entered five birds at the Knoxville Show, Jan. 17-19, 1906, and won two first, two second and one third prizes. Also several Specials. No better stock in America. Eggs from best pen \$2.50 per 15 straight.

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Simply put the Cure in drinking water, and the fowls take their own medicine.

Flood's Roup Cure will cure colds, roup and canker in chickens, turkeys and pigeons.

50c and \$1.00 per package, postpaid. A 50c package makes 50 gallons of medicine.

If your fowls are sick write us their symptoms, and we will tell you their ailments, and how to cure them.

Flood's Roup Cure only manufactured by

W. H. FLOOD, Dept. A,
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Send us 10 cents and the names of 5 ladies and receive by mail prepaid a beautiful 16 x 20 Dining Room Picture, in colors. Price, without the names, 25 cents. Address: Darden Picture Co., Box 85, Washington, Miss.

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has success stamped all over it. You'll know WHY when you learn how it's built and operates. New catalog tells WHY and HOW. Free. Write for it today. The Diehl-Schilling Co., Box 600, Easton, Pa.

Buffs That Are Buff

S. C. Buff Orpingtons. Barred to the Skin. B. P. Rocks. never fail to win.

WRITE FOR PRICES. Eggs and Stock.

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...QUALITY... Buff Orpingtons and Bronze Turkeys

Nearly all my pens of Orpingtons will be mated to males from Wm. Cook & Son's Prize-Winning Strains. Our Turkeys are very large and fine. Write for our prices before you buy.

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EGGS!

Black Langshans, \$1.00 per setting; Rose Comb White Leghorns, 75c per setting. Book your order early; will ship when wanted.

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INCUBATOR RESULTS!



1906 Pattern Standard Cyphers.

FINAL TEST! When experienced fanciers, when expert poultrymen who are in the business for profit, freely entrust their best eggs to the care of an incubator—eggs that are relied on to produce the season's **PRIZE WINNING SPECIMENS** that sell readily at from five dollars to several hundred dollars each—that is the final test of a **PRACTICALLY PERFECT HATCHING MACHINE**.

THE GENUINE Patented Cyphers Incubators (beware of imitations!) have been thus honored **season after season** by poultrymen who would lose hundreds (in many cases thousands) of dollars if the incubators they use were to fail to do good work, by poultrymen who use the **STANDARD CYPHERS** solely because it is known by them to be the best incubator obtainable.

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Hatch "QUALITY" As Well As "QUANTITY." Cyphers Hatched Chicks Win At NEW YORK—CINCINNATI—BOSTON—CHICAGO

America's Best Birds At America's Big Shows.

The following are a few of the men who, enjoying national reputations as poultry breeders, use and publicly endorse Standard Cyphers Incubators. They won many Firsts, Seconds and Thirds, at America's big shows with Cyphers Hatched Chicks.

Remember Cyphers Incubator Hatched Chicks Live, Grow Strong and Win.

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Geo. W. Mitchell, Bristol, Conn.
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J. C. Fishel & Son, Hope, Ind.

Willow Brook Farm, W. L. Davis, Prop.,
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H. B. Hark, Mgr., Poultry Dept., Hartman Stock
Farm, Columbus, Ohio.
Jesse T. Bateman, Waverly, Ill.
C. S. Byers, Hazelrigg, Ind.

Geo. H. Northup, Racineville, N. Y.
F. O. Groesbeck, Hartford, Conn.
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We Guarantee

That no screenings, weed seeds or by-products of any kind are used in the Cyphers Company's sealed bag poultry foods—not a particle! We further guarantee that all grain used in our foods is perfectly sound and wholesome, and will do the work they are recommended for. Every Bag is Sealed and we warn our customers to refuse all bags upon which the seal is broken. Our food products are: Cyphers Chick Feed, Cyphers Forcing Food, Cyphers Laying Food, Cyphers Scratching Food, Cyphers Developing Food, Cyphers Short Cut Alfalfa, Cyphers Shredded Alfalfa, Cyphers Mealed Alfalfa. Entitled "Poultry Raising Made Easy and Profitable" will be mailed free to all who mention this paper and send us the addresses of two neighbors who are interested in poultry for profit. This free book consists of 228 pages, 8x11 inches, and contains A Large Amount of Valuable Information, including six chapters on poultry raising for profit, the raising of broilers, roasters, capons and ducks for market, poultry keeping on the farm, photographs of America's leading successful poultrymen, and illustrations of the largest poultry plants in the world; also a complete illustrated description of our full line of manufactures, embracing everything needed for greatest success with poultry.

Our 1906 Catalogue

Large Amount of Valuable Information, including six chapters on poultry raising for profit, the raising of broilers, roasters, capons and ducks for market, poultry keeping on the farm, photographs of America's leading successful poultrymen, and illustrations of the largest poultry plants in the world; also a complete illustrated description of our full line of manufactures, embracing everything needed for greatest success with poultry.

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CARRY FULL LINE CYPHERS' INCUBATORS AND BROODERS

Prospective buyers are invited to call or correspond. They can save you money and show goods before you buy.

Richland Poultry Farm Ostella, Tenn.

PEN No. 1: Headed by Bob Taylor, he by Kentucky Colonel, score 94 1/4, he in turn by Wm. F., score 94. \$2.00 for sixteen eggs.
PEN No. 2: Headed by three good young cockerels. \$1.00 for sixteen eggs.

S. C. Brown Leghorns  Wm. PARK, Manager

MONEY in POULTRY



Our new 1906 book tells how to make it. Tells how to treat diseases, feed and care for poultry successfully. It illustrates and tells all about 40 varieties Famous Thoroughbred Fowls, with low price on stock and eggs. Only 6c in stamps.

JNO. E. HEATWOLE
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\$10.00 FOR THIS
200 EGG
PERFECT
HATCHER & BROODER
COMBINED
100 Egg Size \$6 Brooders \$5
B. P. Rocks-Eggs \$1 per 15. \$5 per 100.
TESTIMONIALS & ILLUSTRATED CIRCULARS 2¢
J. A. CHELTON FAIRMOUNT, MD.

LEARN POULTRY CULTURE
We can teach you thoroughly, successfully. Our original, personal correspondence course of instruction is interesting, practical, costs but little. A safe guide to beginners, invaluable to old poultry raisers. We teach you how to make any plot of ground, large or small, pay a sure dividend of from 25 to 50 per cent on the investment. Individual attention given each student. Write for free booklet telling how to make poultry pay. Columbia School of Poultry Culture, 188 Harvey Road, Waterville, N. Y.

S. C. BUFF ORPINGTON EGGS

Pen No. 1 headed by the son of a fine imported Cock. \$2.00 for 14 Eggs, or 28 for \$3.50. Pen No. 2 are splendid Orpingtons, but not quite so fancy. 14 Eggs for \$1.00 or 28 for \$1.75, ORDER NOW. COCKERELS \$2.00 EACH.

J. M. KELLY, Gordonsville, Tenn.

All stock guaranteed disease free and true to name.

Hart Pioneer Stock is pure bred and produces heavy crops.

Value received for every dollar sent us. No Agent's Commission.

WRITE FOR COMPLETE PRICE LIST. WE WILL SAVE YOU MONEY.

HART PIONEER NURSERIES, Established 1865. Fort Scott, Kan.

THE TEST OF A JEWEL INCUBATOR

IS IN PROVING ITS ABILITY TO HEAT CORRECTLY

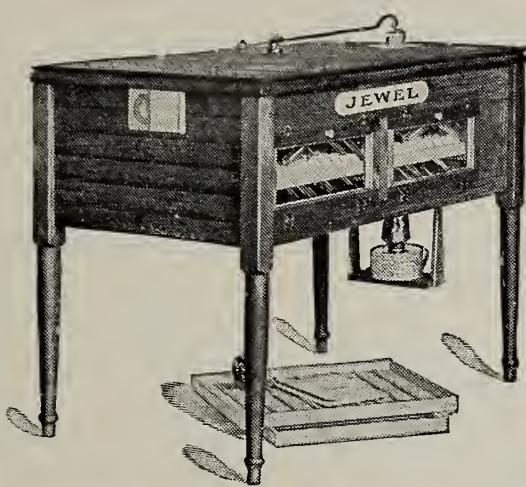
For the first time in the history of Incubator building has it been possible to build an incubator that would show and equal registration of heat in the corners, ends, sides and center of the egg chamber. Think of what this means. No slanting trays, no elevating of trays, but all of them flat and on the same level.

THE JEWEL VICTORIOUS IN WHAT ONCE WAS IMPOSSIBLE

For ten years experiments have been going steadily on until now we have removed all cause for worry, every egg in the Jewel receives proper attention. All other square incubators varies from one to five degrees in heat from end to end of the egg chamber. All old operators find it so. This is not only from bad heating, but from rank ventilation as well. Both heating and ventilation go hand in hand, one cannot succeed without the other; both must be right or failure will result sure as Time.

EVERY TRUE POULTRYMAN WILL APPRECIATE OUR VICTORY

PROOF THAT PROVES



STATE OF MINNESOTA, }
COUNTY OF HENNEPIN, } ss

The undersigned came personally before me and being duly sworn, each for himself says:—

That at the invitation of the International Stock Food Company, they were present at the International Building, East Minneapolis, Minn., on the 11th day of November, 1905, witnessing the test of a 360 Egg Jewel Hot-Air Incubator, having flat or level trays. Thermometers placed in the ends, each corner, sides and center, registering the same heat.

After this test all the thermometers were placed in warm water and were found correct. SIGNED

GEORGE A. LOTH, Secy. M. S. P. A.	L. B. RICH, Sanitary Poultry Co.
Z. M. COLE, Breeder W. P. Rocks.	C. L. SMITH, Court Judge.
CLIVE H. OWEN, Breeder G. Wyand.	LAWRENCE HOPE, Ex-Pres. M. S. P. A.

Subscribed and sworn to by each of the above named, this 11th day of November, A. D. 1905. R. CHRISTENSON, Notary Public, Hennepin Co., Minn.

These men have seen and now believe that the Jewel Hot-Air Incubator represents the greatest victory of modern incubator building. Practical poultrymen will appreciate the fact that under better conditions he may expect greater results. Jewel Incubators furnish better conditions and give better results. Jewel Brooders are not behind in this progressive movement, but we cannot tell you all the good things about them unless you send for our 1906 Catalogue, which will soon be ready. Jewel Brooders are without exception as far in advance of all other Brooders as Jewel Incubators are ahead of all others.

Jewel Chick Feed is the purest and best of all mixed grain rations, so say the consumers of it. You cannot raise chicks as successfully or grow them as rapidly without it. Full information concerning Incubators, Brooders, Chick Feed and Poultry Supplies free.

Poultry Supply Department, Box I.

International Stock Food Co.

MINNEAPOLIS,
MINN.

\$4.88

By selling Gem Incubators and Brooders direct from our factory to you we save you the agent's big profits. That's why we can sell you the best Incubator built—the

GEM INCUBATOR

for from \$4.88 up. You know what the GEM is—it's a proven hatcher, well built and guaranteed. Has a Removable Chick Tray and Nursery and many other desirable features not found in any other. Our catalog will save you some money if you are going to buy an incubator. Write for it today.

Gem Incubator Co., Box 407, Trotwood, O.

WHERE THE PROFIT GOES

If your hens are busy they may pay for their keep, but the chances are the profit goes to the louse. Lambert's Death to Lice Powder will change it. Sprinkle it on from the shaker top can. A few applications will suffice. Then spray the roosts with Lambert's Death to Lice Liquid. You will see the effect in three minutes. Poultry won't pay unless kept clean and free of vermin.

Alexandria, Ind., April 7, 1905.
Dear Sir:—
I find your remedies the best I ever used and could not raise chickens without them.

MRS. A. D. SHIPP.

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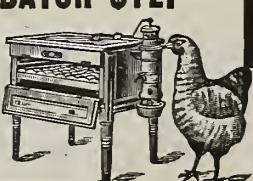
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Won at NASHVILLE, E. 1st, 2nd cock, 1st, 3rd hen, 1st, 2nd, 3rd, 5th pullet, 1st pen. Also \$25.00 Dudley Cup for highest scoring pen in the entire show. Showed 14 Reds that scored from 92 $\frac{1}{2}$ to 95 points. Won at Atlanta on four (4) birds, 1st cock, 1st hen, 1st, 3rd pullet. Three grand pens mated, headed by champion cock, Red Cloud, 1st at Chicago, Cincinnati, Indianapolis, etc., and sire of 1st New York cockerel; 2d pen by Red Robe, 1st cock at Nashville and Atlanta. Third pen by cock that scores 94 $\frac{1}{2}$.

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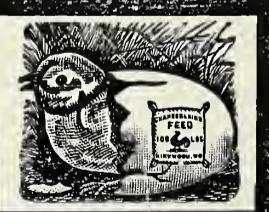
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are line bred and mated to produce winners for you. At the great Knoxville show January 17-19, 1906, I won 2nd cock, 4th hen, 1st cockerel (3rd cockerel tie), 1st and 3rd pullet, 1st and 4th pens. At Chattanooga December, 1904, I won 1st and 2nd cockerel (1st pullet tie) 2nd pullet, 1st and 4th pen. Don't you think eggs from such a stock are worth more than eggs from stock bred in a haphazard way, with no record behind them? I have both cockerel and pullet matings, and can sell you eggs from one or both at \$2.00 per 15; \$3.50 per 30; \$8.00 per 100. Best laying strain Barred Rocks in the South. ORDER TO-DAY.

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Eggs from my Great Prize Winners at \$2.00 per 15

Now if you want the best in Barred, Buff and White Plymouth Rocks and White Wyandottes, just send me your orders. Every pen is mated with much care for fine results, and you will not be disappointed. You ought to see my Snow White Cocks and fine Golden Buffs. They are beauties. They will please you. Order now. Don't wait.

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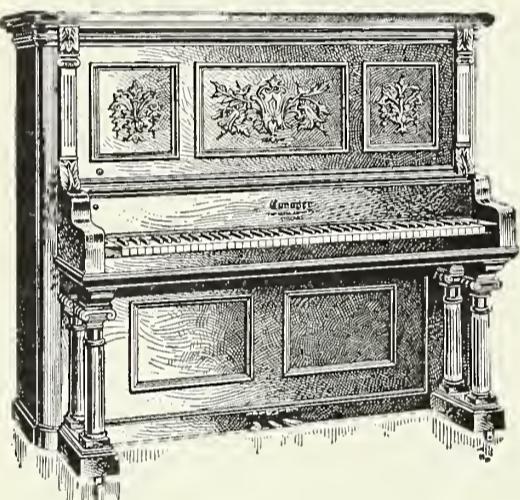
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THE FINEST CHICKENS

are like the best Pianos and Organs, they are worth the price charged for them. The

PIANOS AND ORGANS

manufactured and sold by us are to the music trade and to the musical home what the best chickens are to the poultry trade.

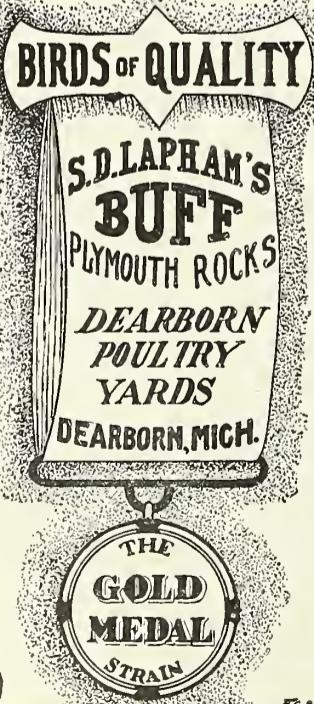
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Chicago—1st, 2nd, 4th Cockerel; 1st, 5th Pullet; 1st Pen;

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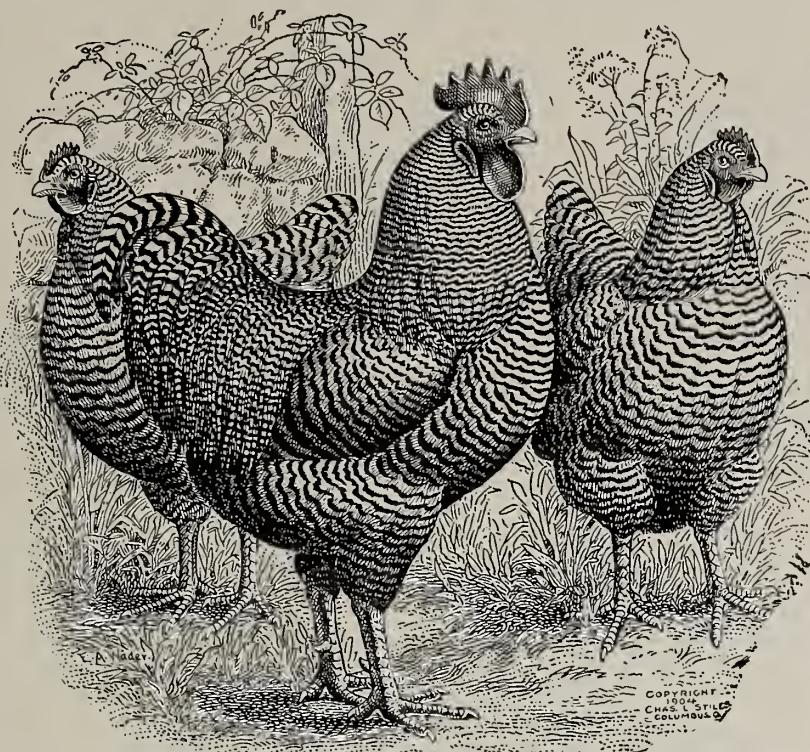
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Have won and can win in the STRONGEST competition.
 They never fail to get the blue ribbons.

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At Huntsville, Ala., December 5 to 8, 1905, I made a clean sweep, winning Cock, 1st; Cockerel, 1, 2, 3; Pullets, 1, 2, 3; Pen 1 and 2. F. J. Marshall, Judge.

At Nashville, Tenn., the greatest of all Southern Shows, in a class of more than 300 B. P. Rocks, the best that could be produced, I won 1st, 2nd Pullets, 2nd Pen. I had 8 Pullets in show scoring from 92½ to 95. Six in the show scoring from 94 to 95. These 6 Pullets will be mated to Edw. B., the best Pullet bred Cock in the

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Will have two pens mated for exhibition Cockerels. First Pen will be headed by High Henry, a grand Cockerel breeder, mated to as fine hens as can be found. Eggs, \$2.50 for 15 Eggs. Pen 2 will be headed by a son of High Henry. He was 1st Cockerel at Huntsville, Dec. 5 to 8, 1905. To him will be mated 8 as fine females as can be bred. Eggs from this Pen, \$2.50 for 15 Eggs.

Can mate a few extra good Pens for breeding either Exhibition Pullets or Cockerels. Can spare a few fine Cockerels or Pullets from either mating. WRITE YOUR WANTS TO

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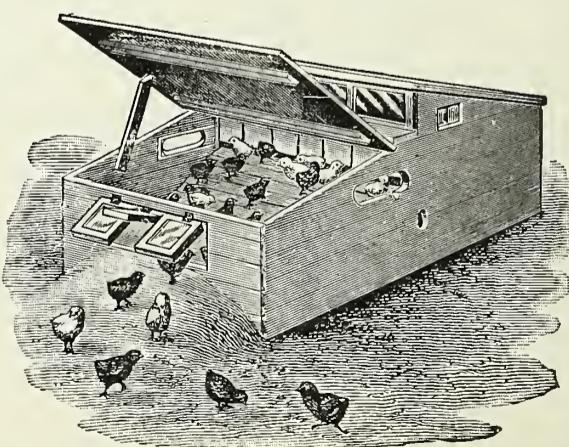
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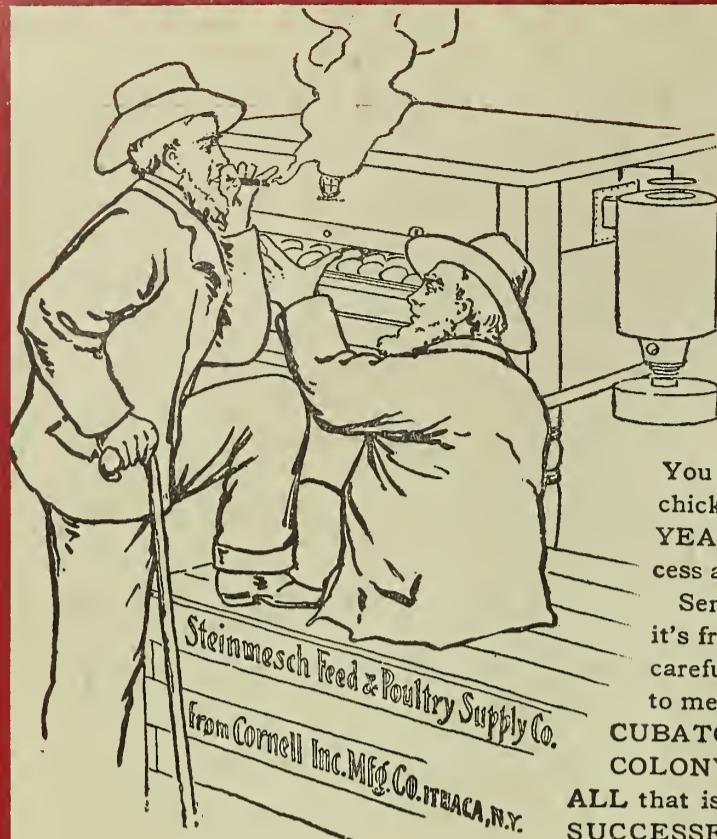
I have a good acquaintance with Mr. A. S. Caton, General Manager of the Olympia Development company. He was a citizen of Ohio, with ample means, but sold all his possessions and moved to Olympia about three years ago. He is a man of integrity and excellent business sense. Mr. Caton can be trusted to invest \$25.00, or more for you, at Olympia, in a way that will greatly profit you. Try him with at least Twenty-five Dollars.

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and you will admit we have reached the ACME OF INCUBATOR PERFECTION. Our records prove it with 80%, 90% and even 100% hatches. THIS IS WHAT THE CORNELL CAN DO FOR YOU.

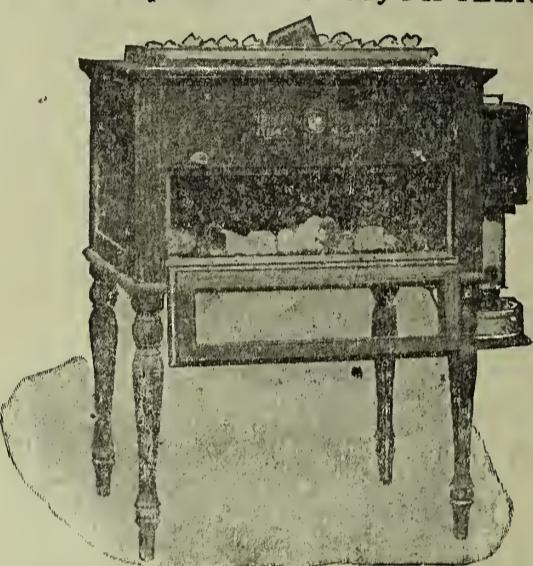
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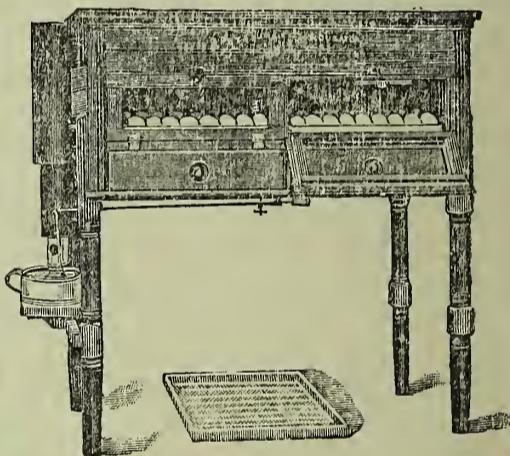
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